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Performance Assessment of Alternative Nested DXTRAN Treatments

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Outline

Introduction & Current DXTRAN Approach

Description of Three Alternative DXTRAN Approaches

Results

Summary

Background & Introduction

Primary objective: Assess Monte Carlo figure of merit (FOM) of alternative nested DXTRAN projection approaches that create DXTRAN particles less aggressively than the current approach

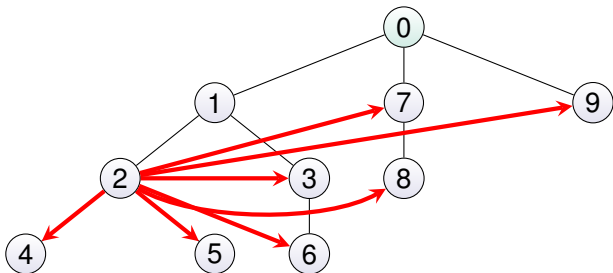
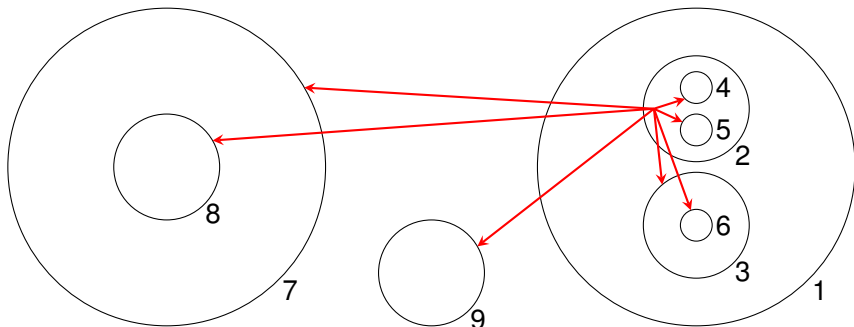
- ▶ Multiple, nested, MCNP DXTRAN spheres became available in MCNP6 Beta 2 (Goorley et al., 2012)
 - ▶ Effectiveness demonstrated with two test cases: 1-km air transport and concrete duct (Booth et al., 2009)
- ▶ Currently, when DXTRAN is performed a DXTRAN particle is created on every possible sphere with weight correction

$$w_{DX} = w \frac{p(\mu)}{\tilde{p}(\mu)} \exp(-\lambda) \quad (1)$$

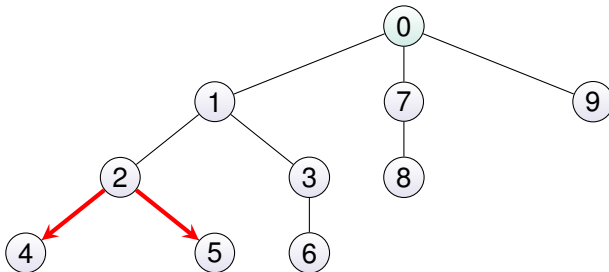
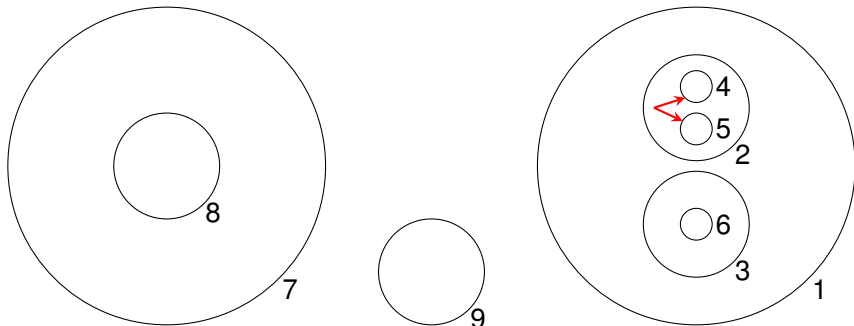
- ▶ No assessment has been made for less-aggressive schemes on FOM,

$$FOM = \sigma^{-2} T^{-1} \quad (2)$$

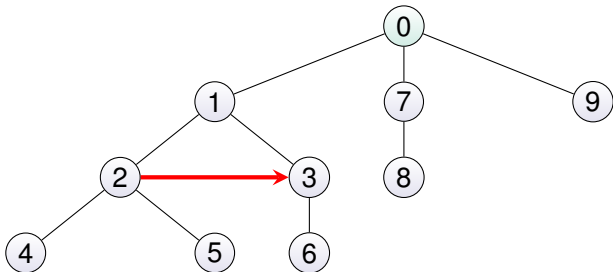
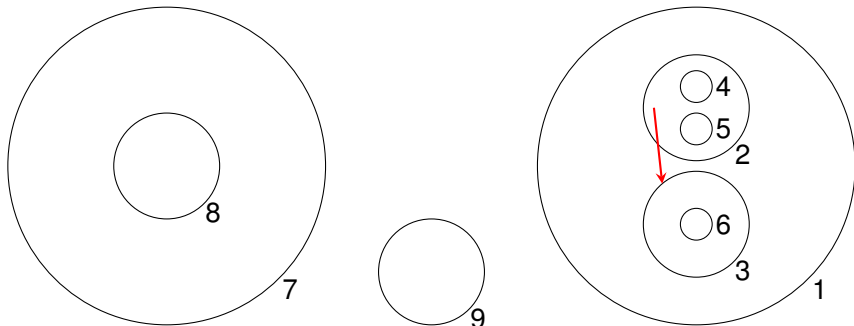
Current Nested DXTRAN Approach



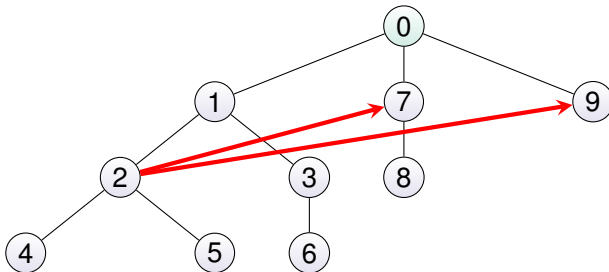
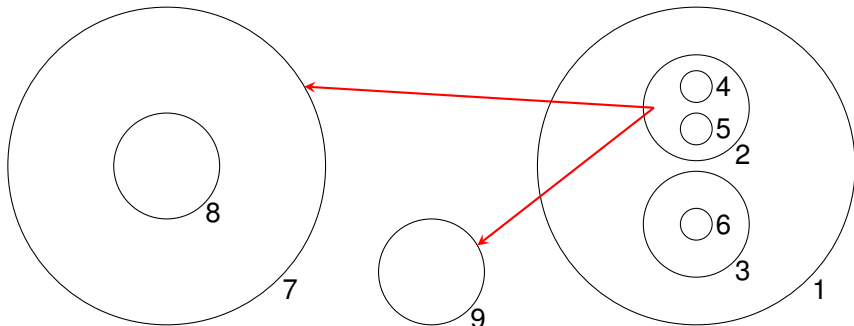
Alternative Approach 1



Alternative Approach 2



Alternative Approach 3



Fairness Assessment

- ▶ Fairness Assessment
 - ▶ Approach 1: May have minor bias, not investigated further
 - ▶ Approaches 2 & 3: Agrees with analog / traditional DXTRAN

Source Cell: 2, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

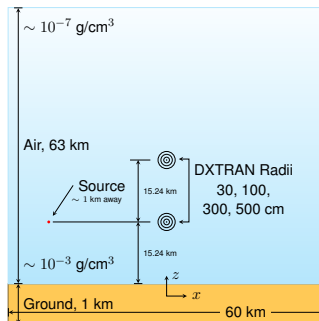
Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86188e-04 (3.54107e-05)	1.86193e-04 (4.29522e-05)	1.86184e-04 (4.29351e-05)	1.86184e-04 (4.29351e-05)
204	1.99620e-03 (4.87053e-05)	1.99623e-03 (4.68752e-05)	1.99616e-03 (4.68989e-05)	1.99616e-03 (4.68989e-05)
304	1.58064e-04 (4.62804e-04)	1.58154e-04 (3.99901e-05)	1.58158e-04 (4.20515e-05)	1.58158e-04 (4.20515e-05)
404	1.26913e-03 (5.50004e-04)	1.26915e-03 (3.80359e-05)	1.26910e-03 (4.08188e-05)	1.26910e-03 (4.08188e-05)
504	1.26833e-03 (5.50166e-04)	1.26921e-03 (3.80554e-05)	1.26929e-03 (4.07130e-05)	1.26929e-03 (4.07130e-05)
604	1.52655e-04 (1.61257e-03)	1.52400e-04 (3.98025e-05)	1.52391e-04 (3.46670e-04)	1.52391e-04 (3.46670e-04)
704	9.46025e-06 (6.39408e-04)	9.47691e-06 (5.79226e-05)	9.47707e-06 (5.71883e-05)	9.47707e-06 (5.71883e-05)
804	9.30124e-06 (1.96364e-03)	9.29968e-06 (5.55055e-05)	9.30145e-06 (3.09337e-04)	9.30145e-06 (3.09337e-04)
904	2.93514e-05 (1.10246e-03)	2.93210e-05 (6.02498e-05)	2.93231e-05 (6.01170e-05)	2.93231e-05 (6.01170e-05)

Results

- ▶ FOM Ratio (Alt. / Current)
 - ▶ Arb. Geom, Pure Absorber
 - ▶ 1.31 ± 0.51
 - ▶ Arb. Geom, 20% Absorber
 - ▶ 1.14 ± 0.50
 - ▶ Arb. Geom, Overall Avg.
 - ▶ 1.23 ± 0.51
 - ▶ Air Transport
 - ▶ 0.11 ± 0.04

Arbitrary Geometry, 20% Absorber, FOM Ratios

	1	2	3	1, 2	1, 3	2, 3	1, 2, 3
0	1.1280	0.0192	0.0192	1.1477	1.1360	0.0192	1.1487
1	0.8581	0.2964	0.3754	0.9026	1.1957	0.3739	1.2537
2	1.2390	0.8298	0.8399	1.3899	1.2335	0.6462	1.2463
3	1.2274	1.0615	1.0006	1.6240	1.4446	0.7399	1.4420
4	1.5397	1.5611	1.1407	1.8683	1.7308	0.9157	1.6049
5	1.5644	1.5154	1.0832	1.8470	1.8917	0.8677	1.5735
6	1.6976	1.4409	1.1620	1.7097	1.9630	1.0550	1.7833
7	0.8738	0.4486	0.5656	0.8920	1.6876	0.5699	1.7256
8	1.1465	0.9276	1.0109	1.1653	2.1210	0.9409	2.1099
9	0.5168	0.4985	0.8111	0.5186	1.5141	0.8013	1.5566



Air Transport Geometry FOM Ratios

Tally	1	1, 2	1, 3	1, 2, 3
Lower	0.1252	0.1318	0.0398	0.0381
Upper	0.1132	0.1192	0.1583	0.1515
Both	0.0703	0.0739	0.1416	0.1355

Summary

- ▶ Three alternative, less-aggressive, DXTRAN projection schemes tested
 - ▶ Combined schemes and compared with analog / traditional DXTRAN
 - ▶ One scheme may have bias; not investigated further
 - ▶ In arbitrary geometries, there can be FOM improvement
 - ▶ In more-complicated geometries, there is likely FOM degradation
- ▶ None of the tested approaches give consistently superior FOM behavior
 - ▶ Not examined: no treatment projects to innermost spheres
 - ▶ Not tried because this negates the effect of multiple nested spheres
- ▶ Ensuring unbiasedness is more complicated (more edge cases)

Conclusion: Stay with current nested DXTRAN treatment

Questions?

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Backup Slides

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Arbitrary Geometry, Void

	1	2	3	1, 2	1, 3	2, 3	1, 2, 3
0	0.5723	0.0066	0.0065	0.5772	0.5608	0.0064	0.5605
1	0.6463	0.1943	0.6098	0.6542	1.1117	0.6118	1.1040
2	0.7678	0.6421	0.8905	0.9747	1.1745	1.0364	1.3202
3	0.4513	0.5326	0.6807	0.6369	0.7452	0.8565	0.9957
4	0.5093	0.6131	0.8399	0.6113	0.8091	0.9790	0.9847
5	0.4793	0.5432	0.7332	0.5485	0.7296	0.8464	0.8637
6	0.3929	0.3947	0.6430	0.3870	0.6269	0.6489	0.6450
7	0.3948	0.1968	0.6258	0.3928	0.8003	0.6341	0.8231
8	0.3492	0.3395	0.7349	0.3424	0.7202	0.7158	0.7283
9	0.1682	0.1670	0.5358	0.1650	0.5208	0.5295	0.5297

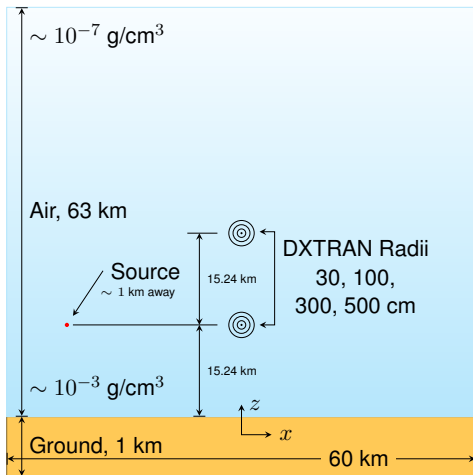
Arbitrary Geometry, Pure Absorber

	1	2	3	1, 2	1, 3	2, 3	1, 2, 3
0	1.0312	0.0122	0.0122	1.0105	1.0050	0.0122	0.9842
1	0.9355	0.2792	0.8709	0.9379	1.4070	0.8622	1.4606
2	1.2143	1.0343	1.4007	1.4747	1.3980	1.2944	1.3452
3	1.1621	1.3530	1.6096	1.6189	1.5492	1.4514	1.3919
4	1.5064	1.8895	1.9152	1.8746	1.8913	1.5903	1.5479
5	1.4897	1.7810	1.8231	1.7717	1.7567	1.5696	1.5901
6	1.5950	1.5551	1.9593	1.5667	1.8316	1.8215	1.8891
7	0.7519	0.3758	1.1951	0.7650	1.5593	1.1842	1.5407
8	1.0132	1.0190	2.0724	1.0149	2.0168	2.0554	2.0940
9	0.4455	0.4523	1.4054	0.4513	1.3776	1.4092	1.3713

Arbitrary Geometry, 20% Absorber

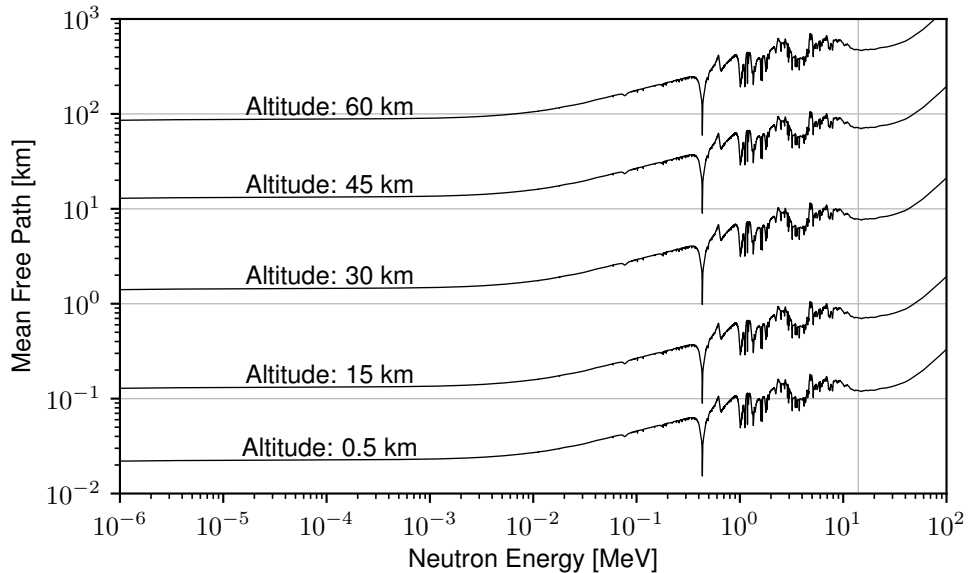
	1	2	3	1, 2	1, 3	2, 3	1, 2, 3
0	1.1280	0.0192	0.0192	1.1477	1.1360	0.0192	1.1487
1	0.8581	0.2964	0.3754	0.9026	1.1957	0.3739	1.2537
2	1.2390	0.8298	0.8399	1.3899	1.2335	0.6462	1.2463
3	1.2274	1.0615	1.0006	1.6240	1.4446	0.7399	1.4420
4	1.5397	1.5611	1.1407	1.8683	1.7308	0.9157	1.6049
5	1.5644	1.5154	1.0832	1.8470	1.8917	0.8677	1.5735
6	1.6976	1.4409	1.1620	1.7097	1.9630	1.0550	1.7833
7	0.8738	0.4486	0.5656	0.8920	1.6876	0.5699	1.7256
8	1.1465	0.9276	1.0109	1.1653	2.1210	0.9409	2.1099
9	0.5168	0.4985	0.8111	0.5186	1.5141	0.8013	1.5566

Air Transport Problem



Tally	1	1, 2	1, 3	1, 2, 3
Lower	0.1252	0.1318	0.0398	0.0381
Upper	0.1132	0.1192	0.1583	0.1515
Both	0.0703	0.0739	0.1416	0.1355

Mean Free Path in Air vs. Altitude



Fairness Comparison Tables: Void

Source Cell: 0, Alternate Approach: 1, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.48900e-05 (3.18997e-04)	3.48871e-05 (3.60685e-05)	3.48870e-05 (3.43076e-05)	3.48870e-05 (3.43076e-05)
204	3.05830e-05 (1.07208e-03)	3.06162e-05 (3.68232e-05)	3.06304e-05 (3.25253e-04)	3.06304e-05 (3.25253e-04)
304	3.06016e-05 (1.07106e-03)	3.06038e-05 (3.49233e-05)	3.05981e-05 (3.25178e-04)	3.05981e-05 (3.25178e-04)
404	2.91368e-05 (3.69495e-03)	2.92210e-05 (3.53716e-05)	2.92351e-05 (1.16218e-03)	2.92351e-05 (1.16218e-03)
504	3.11680e-05 (3.57488e-03)	3.12406e-05 (3.53683e-05)	3.12475e-05 (1.12402e-03)	3.12475e-05 (1.12402e-03)
604	3.04749e-05 (3.61389e-03)	3.03805e-05 (3.53771e-05)	3.03530e-05 (1.14062e-03)	3.03530e-05 (1.14062e-03)
704	3.46729e-05 (3.19270e-04)	3.46665e-05 (3.57963e-05)	3.46641e-05 (3.45982e-05)	3.46641e-05 (3.45982e-05)
804	3.21146e-05 (1.05066e-03)	3.20901e-05 (3.54677e-05)	3.20836e-05 (3.18563e-04)	3.20836e-05 (3.18563e-04)
904	2.10175e-04 (3.98437e-04)	2.10125e-04 (3.61515e-05)	2.10133e-04 (3.61518e-05)	2.10133e-04 (3.61518e-05)

Source Cell: 1, Alternate Approach: 1, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.26579e-04 (4.29858e-05)	2.26555e-04 (4.23053e-05)	2.26575e-04 (4.22741e-05)	2.26575e-04 (4.22741e-05)
204	1.59620e-04 (4.58936e-04)	1.59519e-04 (3.67670e-05)	1.59513e-04 (3.40285e-05)	1.59513e-04 (3.40285e-05)
304	1.59185e-04 (4.59784e-04)	1.59314e-04 (3.52667e-05)	1.59307e-04 (3.43530e-05)	1.59307e-04 (3.43530e-05)
404	1.27938e-04 (1.76036e-03)	1.27695e-04 (3.53958e-05)	1.27647e-04 (3.83987e-04)	1.27647e-04 (3.83987e-04)
504	1.77631e-04 (1.49282e-03)	1.77952e-04 (3.54114e-05)	1.78060e-04 (3.20723e-04)	1.78060e-04 (3.20723e-04)
604	1.52894e-04 (1.60983e-03)	1.53270e-04 (3.54023e-05)	1.53226e-04 (3.48087e-04)	1.53226e-04 (3.48087e-04)
704	1.28130e-05 (5.43505e-04)	1.28195e-05 (3.52279e-05)	1.28181e-05 (5.43359e-04)	1.28181e-05 (5.43359e-04)
804	1.24521e-05 (1.69178e-03)	1.24734e-05 (3.53959e-05)	1.24782e-05 (1.69049e-03)	1.24782e-05 (1.69049e-03)
904	6.21288e-05 (7.51464e-04)	6.21847e-05 (3.55784e-05)	6.21633e-05 (7.51354e-04)	6.21633e-05 (7.51354e-04)

Fairness Comparison Tables: Void

Source Cell: 2, Alternate Approach: 1, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83571e-04 (3.09021e-05)	1.83564e-04 (4.12922e-05)	1.83558e-04 (3.92738e-05)	1.83558e-04 (3.92738e-05)
204	1.98717e-03 (4.79915e-05)	1.98708e-03 (4.66919e-05)	1.98711e-03 (4.66912e-05)	1.98711e-03 (4.66912e-05)
304	1.55465e-04 (4.65545e-04)	1.55569e-04 (3.52594e-05)	1.55539e-04 (4.63404e-04)	1.55539e-04 (4.63404e-04)
404	1.25901e-03 (5.51777e-04)	1.26036e-03 (3.57607e-05)	1.26037e-03 (3.57641e-05)	1.26037e-03 (3.57641e-05)
504	1.26011e-03 (5.51486e-04)	1.26033e-03 (3.57588e-05)	1.26036e-03 (3.57580e-05)	1.26036e-03 (3.57580e-05)
604	1.49636e-04 (1.62692e-03)	1.49805e-04 (3.54046e-05)	1.49714e-04 (1.62693e-03)	1.49714e-04 (1.62693e-03)
704	9.27090e-06 (6.42306e-04)	9.27603e-06 (3.51465e-05)	9.27277e-06 (6.42288e-04)	9.27277e-06 (6.42288e-04)
804	9.08800e-06 (1.98213e-03)	9.09397e-06 (3.53947e-05)	9.10960e-06 (1.98020e-03)	9.10960e-06 (1.98020e-03)
904	2.84816e-05 (1.11585e-03)	2.85248e-05 (3.54510e-05)	2.85600e-05 (1.11487e-03)	2.85600e-05 (1.11487e-03)

Source Cell: 3, Alternate Approach: 1, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83569e-04 (3.08993e-05)	1.83566e-04 (3.98626e-05)	1.83569e-04 (3.74680e-05)	1.83569e-04 (3.74680e-05)
204	1.55078e-04 (4.64368e-04)	1.55023e-04 (3.96298e-05)	1.55176e-04 (4.64187e-04)	1.55176e-04 (4.64187e-04)
304	1.95496e-03 (4.81241e-05)	1.95520e-03 (4.70577e-05)	1.95509e-03 (4.70587e-05)	1.95509e-03 (4.70587e-05)
404	1.09725e-04 (1.90140e-03)	1.10039e-04 (3.53878e-05)	1.10455e-04 (1.89510e-03)	1.10455e-04 (1.89510e-03)
504	2.14030e-04 (1.35935e-03)	2.14384e-04 (3.54243e-05)	2.14806e-04 (1.35649e-03)	2.14806e-04 (1.35649e-03)
604	1.68841e-03 (4.73359e-04)	1.68893e-03 (3.59135e-05)	1.68891e-03 (3.59105e-05)	1.68891e-03 (3.59105e-05)
704	9.28027e-06 (6.42007e-04)	9.27529e-06 (3.51548e-05)	9.27887e-06 (6.42051e-04)	9.27887e-06 (6.42051e-04)
804	9.07722e-06 (1.98301e-03)	9.09442e-06 (3.53884e-05)	9.07717e-06 (1.98260e-03)	9.07717e-06 (1.98260e-03)
904	4.17364e-05 (9.20093e-04)	4.16707e-05 (3.54986e-05)	4.16843e-05 (9.20777e-04)	4.16843e-05 (9.20777e-04)

Fairness Comparison Tables: Void

Source Cell: 4, Alternate Approach: 1, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.67114e-04 (3.42205e-05)	1.67108e-04 (3.85793e-05)	1.67115e-04 (3.42208e-05)	1.67115e-04 (3.42208e-05)
204	1.68128e-03 (3.31035e-05)	1.68125e-03 (3.42198e-05)	1.68128e-03 (3.31019e-05)	1.68128e-03 (3.31019e-05)
304	1.20797e-04 (5.31156e-04)	1.20804e-04 (3.51542e-05)	1.20775e-04 (5.31290e-04)	1.20775e-04 (5.31290e-04)
404	2.21570e-02 (4.70018e-05)	2.21588e-02 (4.69952e-05)	2.21569e-02 (4.70013e-05)	2.21569e-02 (4.70013e-05)
504	1.20289e-03 (5.65019e-04)	1.20318e-03 (3.57385e-05)	1.20333e-03 (5.64859e-04)	1.20333e-03 (5.64859e-04)
604	1.17582e-04 (1.83709e-03)	1.17344e-04 (3.53916e-05)	1.17386e-04 (1.83859e-03)	1.17386e-04 (1.83859e-03)
704	8.25734e-06 (6.81729e-04)	8.25533e-06 (3.51325e-05)	8.25525e-06 (6.81749e-04)	8.25525e-06 (6.81749e-04)
804	8.10921e-06 (2.09892e-03)	8.11291e-06 (3.53832e-05)	8.10670e-06 (2.09946e-03)	8.10670e-06 (2.09946e-03)
904	2.26934e-05 (1.25140e-03)	2.26783e-05 (3.54336e-05)	2.26698e-05 (1.25216e-03)	2.26698e-05 (1.25216e-03)

Source Cell: 5, Alternate Approach: 1, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.81556e-04 (3.01510e-05)	1.81559e-04 (3.99414e-05)	1.81552e-04 (3.01497e-05)	1.81552e-04 (3.01497e-05)
204	1.68112e-03 (3.31067e-05)	1.68129e-03 (3.42165e-05)	1.68119e-03 (3.31031e-05)	1.68119e-03 (3.31031e-05)
304	2.60381e-04 (3.53199e-04)	2.60180e-04 (3.55901e-05)	2.60290e-04 (3.53279e-04)	2.60290e-04 (3.53279e-04)
404	1.20351e-03 (5.64893e-04)	1.20311e-03 (3.57444e-05)	1.20353e-03 (5.64870e-04)	1.20353e-03 (5.64870e-04)
504	2.21575e-02 (4.69977e-05)	2.21559e-02 (4.70014e-05)	2.21573e-02 (4.69990e-05)	2.21573e-02 (4.69990e-05)
604	2.44344e-04 (1.27157e-03)	2.43976e-04 (3.54274e-05)	2.43803e-04 (1.27314e-03)	2.43803e-04 (1.27314e-03)
704	8.39912e-06 (6.75724e-04)	8.40971e-06 (3.51336e-05)	8.41391e-06 (6.75167e-04)	8.41391e-06 (6.75167e-04)
804	8.25246e-06 (2.07974e-03)	8.26088e-06 (3.53869e-05)	8.26861e-06 (2.07732e-03)	8.26861e-06 (2.07732e-03)
904	2.63849e-05 (1.16002e-03)	2.64155e-05 (3.54420e-05)	2.64382e-05 (1.15859e-03)	2.64382e-05 (1.15859e-03)

Fairness Comparison Tables: Void

Source Cell: 6, Alternate Approach: 1, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.71789e-04 (3.24532e-05)	1.71785e-04 (3.64227e-05)	1.71795e-04 (3.24533e-05)	1.71795e-04 (3.24533e-05)
204	1.69812e-04 (4.43274e-04)	1.69836e-04 (4.06736e-05)	1.69812e-04 (4.43329e-04)	1.69812e-04 (4.43329e-04)
304	1.80574e-03 (2.33307e-06)	1.80575e-03 (2.33297e-06)	1.80575e-03 (2.33267e-06)	1.80575e-03 (2.33267e-06)
404	1.17346e-04 (1.83837e-03)	1.17334e-04 (3.53965e-05)	1.17442e-04 (1.83796e-03)	1.17442e-04 (1.83796e-03)
504	2.43879e-04 (1.27307e-03)	2.43963e-04 (3.54294e-05)	2.43806e-04 (1.27306e-03)	2.43806e-04 (1.27306e-03)
604	2.21576e-02 (4.70043e-05)	2.21566e-02 (4.70009e-05)	2.21560e-02 (4.70011e-05)	2.21560e-02 (4.70011e-05)
704	8.34842e-06 (6.77823e-04)	8.34618e-06 (3.51309e-05)	8.34487e-06 (6.77961e-04)	8.34487e-06 (6.77961e-04)
804	8.20178e-06 (2.08729e-03)	8.19994e-06 (3.53832e-05)	8.18450e-06 (2.08921e-03)	8.18450e-06 (2.08921e-03)
904	3.37102e-05 (1.02515e-03)	3.36518e-05 (3.54685e-05)	3.36382e-05 (1.02609e-03)	3.36382e-05 (1.02609e-03)

Source Cell: 7, Alternate Approach: 1, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.28492e-05 (5.43138e-04)	1.28523e-05 (3.61888e-05)	1.28540e-05 (5.43041e-04)	1.28540e-05 (5.43041e-04)
204	1.22741e-05 (1.69777e-03)	1.22449e-05 (3.69730e-05)	1.22643e-05 (1.69825e-03)	1.22643e-05 (1.69825e-03)
304	1.22000e-05 (1.70147e-03)	1.22416e-05 (3.48843e-05)	1.22270e-05 (1.69906e-03)	1.22270e-05 (1.69906e-03)
404	1.21006e-05 (5.73328e-03)	1.20149e-05 (3.53599e-05)	1.20203e-05 (5.75600e-03)	1.20203e-05 (5.75600e-03)
504	1.22880e-05 (5.68213e-03)	1.23428e-05 (3.53644e-05)	1.23449e-05 (5.67620e-03)	1.23449e-05 (5.67620e-03)
604	1.21285e-05 (5.72593e-03)	1.22062e-05 (3.53617e-05)	1.21096e-05 (5.72994e-03)	1.21096e-05 (5.72994e-03)
704	2.22010e-04 (4.34190e-05)	2.22018e-04 (4.33236e-05)	2.22018e-04 (4.33223e-05)	2.22018e-04 (4.33223e-05)
804	2.10007e-04 (3.98614e-04)	2.10137e-04 (3.61495e-05)	2.10132e-04 (3.61503e-05)	2.10132e-04 (3.61503e-05)
904	6.22417e-05 (7.50907e-04)	6.21869e-05 (3.55703e-05)	6.21719e-05 (7.51264e-04)	6.21719e-05 (7.51264e-04)

Fairness Comparison Tables: Void

Source Cell: 8, Alternate Approach: 1, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.42283e-06 (6.37369e-04)	9.42618e-06 (3.62741e-05)	9.41719e-06 (6.37402e-04)	9.41719e-06 (6.37402e-04)
204	9.10219e-06 (1.97222e-03)	9.09717e-06 (3.70100e-05)	9.07632e-06 (1.97481e-03)	9.07632e-06 (1.97481e-03)
304	9.08576e-06 (1.97225e-03)	9.09511e-06 (3.48721e-05)	9.12234e-06 (1.96906e-03)	9.12234e-06 (1.96906e-03)
404	8.99448e-06 (6.65306e-03)	8.96940e-06 (3.53606e-05)	8.92975e-06 (6.67517e-03)	8.92975e-06 (6.67517e-03)
504	9.14682e-06 (6.60008e-03)	9.15090e-06 (3.53601e-05)	9.07206e-06 (6.62145e-03)	9.07206e-06 (6.62145e-03)
604	9.18651e-06 (6.58436e-03)	9.07544e-06 (3.53645e-05)	9.03443e-06 (6.63351e-03)	9.03443e-06 (6.63351e-03)
704	1.95487e-04 (2.92515e-06)	1.95485e-04 (2.92520e-06)	1.95485e-04 (2.92478e-06)	1.95485e-04 (2.92478e-06)
804	1.94797e-03 (5.06607e-05)	1.94794e-03 (5.06667e-05)	1.94798e-03 (5.06649e-05)	1.94798e-03 (5.06649e-05)
904	3.57098e-05 (9.95725e-04)	3.57042e-05 (3.54841e-05)	3.57236e-05 (9.95543e-04)	3.57236e-05 (9.95543e-04)

Source Cell: 9, Alternate Approach: 1, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.17007e-05 (3.35949e-04)	3.17032e-05 (3.62067e-05)	3.16860e-05 (3.36031e-04)	3.16860e-05 (3.36031e-04)
204	2.52034e-05 (1.18025e-03)	2.52260e-05 (3.67107e-05)	2.52020e-05 (1.18063e-03)	2.52020e-05 (1.18063e-03)
304	3.18539e-05 (1.04971e-03)	3.18916e-05 (3.49275e-05)	3.18351e-05 (1.04997e-03)	3.18351e-05 (1.04997e-03)
404	2.33648e-05 (4.12652e-03)	2.34170e-05 (3.53691e-05)	2.34149e-05 (4.12546e-03)	2.34149e-05 (4.12546e-03)
504	2.68051e-05 (3.85333e-03)	2.66831e-05 (3.53705e-05)	2.66672e-05 (3.86401e-03)	2.66672e-05 (3.86401e-03)
604	3.15340e-05 (3.54873e-03)	3.16511e-05 (3.53684e-05)	3.15759e-05 (3.54875e-03)	3.15759e-05 (3.54875e-03)
704	3.15403e-05 (3.36484e-04)	3.15484e-05 (3.57050e-05)	3.15534e-05 (3.36415e-04)	3.15534e-05 (3.36415e-04)
804	2.94099e-05 (1.09803e-03)	2.94194e-05 (3.54599e-05)	2.94171e-05 (1.09801e-03)	2.94171e-05 (1.09801e-03)
904	2.17728e-03 (3.19590e-05)	2.17725e-03 (3.19637e-05)	2.17714e-03 (3.19627e-05)	2.17714e-03 (3.19627e-05)

Fairness Comparison Tables: Void

Source Cell: 0, Alternate Approach: 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.48900e-05 (3.18997e-04)	3.48871e-05 (3.60685e-05)	3.48980e-05 (3.18958e-04)	3.48980e-05 (3.18958e-04)
204	3.05830e-05 (1.07208e-03)	3.06162e-05 (3.68232e-05)	3.05980e-05 (1.07202e-03)	3.05980e-05 (1.07202e-03)
304	3.06016e-05 (1.07106e-03)	3.06038e-05 (3.49233e-05)	3.06044e-05 (1.07108e-03)	3.06044e-05 (1.07108e-03)
404	2.91368e-05 (3.69495e-03)	2.92210e-05 (3.53716e-05)	2.92621e-05 (3.68546e-03)	2.92621e-05 (3.68546e-03)
504	3.11680e-05 (3.57488e-03)	3.12406e-05 (3.53683e-05)	3.12690e-05 (3.56371e-03)	3.12690e-05 (3.56371e-03)
604	3.04749e-05 (3.61389e-03)	3.03805e-05 (3.53771e-05)	3.02464e-05 (3.62369e-03)	3.02464e-05 (3.62369e-03)
704	3.46729e-05 (3.19270e-04)	3.46665e-05 (3.57963e-05)	3.46642e-05 (3.19312e-04)	3.46642e-05 (3.19312e-04)
804	3.21146e-05 (1.05066e-03)	3.20901e-05 (3.54677e-05)	3.21260e-05 (1.05031e-03)	3.21260e-05 (1.05031e-03)
904	2.10175e-04 (3.98437e-04)	2.10125e-04 (3.61515e-05)	2.10118e-04 (3.98478e-04)	2.10118e-04 (3.98478e-04)

Source Cell: 1, Alternate Approach: 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.26579e-04 (4.29858e-05)	2.26555e-04 (4.23053e-05)	2.26566e-04 (4.29927e-05)	2.26566e-04 (4.29927e-05)
204	1.59620e-04 (4.58936e-04)	1.59519e-04 (3.67670e-05)	1.59485e-04 (4.59147e-04)	1.59485e-04 (4.59147e-04)
304	1.59185e-04 (4.59784e-04)	1.59314e-04 (3.52667e-05)	1.59292e-04 (4.59604e-04)	1.59292e-04 (4.59604e-04)
404	1.27938e-04 (1.76036e-03)	1.27695e-04 (3.53958e-05)	1.27504e-04 (1.76339e-03)	1.27504e-04 (1.76339e-03)
504	1.77631e-04 (1.49282e-03)	1.77952e-04 (3.54114e-05)	1.77722e-04 (1.49280e-03)	1.77722e-04 (1.49280e-03)
604	1.52894e-04 (1.60983e-03)	1.53270e-04 (3.54023e-05)	1.53400e-04 (1.60676e-03)	1.53400e-04 (1.60676e-03)
704	1.28130e-05 (5.43505e-04)	1.28195e-05 (3.52279e-05)	1.28211e-05 (5.43371e-04)	1.28211e-05 (5.43371e-04)
804	1.24521e-05 (1.69178e-03)	1.24734e-05 (3.53959e-05)	1.24753e-05 (1.69127e-03)	1.24753e-05 (1.69127e-03)
904	6.21288e-05 (7.51464e-04)	6.21847e-05 (3.55784e-05)	6.22442e-05 (7.50903e-04)	6.22442e-05 (7.50903e-04)

Fairness Comparison Tables: Void

Source Cell: 2, Alternate Approach: 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83571e-04 (3.09021e-05)	1.83564e-04 (4.12922e-05)	1.83570e-04 (3.41834e-05)	1.83570e-04 (3.41834e-05)
204	1.98717e-03 (4.79915e-05)	1.98708e-03 (4.66919e-05)	1.98728e-03 (4.79913e-05)	1.98728e-03 (4.79913e-05)
304	1.55465e-04 (4.65545e-04)	1.55569e-04 (3.52594e-05)	1.55559e-04 (3.43326e-05)	1.55559e-04 (3.43326e-05)
404	1.25901e-03 (5.51777e-04)	1.26036e-03 (3.57607e-05)	1.25992e-03 (5.51578e-04)	1.25992e-03 (5.51578e-04)
504	1.26011e-03 (5.51486e-04)	1.26033e-03 (3.57588e-05)	1.26100e-03 (5.51300e-04)	1.26100e-03 (5.51300e-04)
604	1.49636e-04 (1.62692e-03)	1.49805e-04 (3.54046e-05)	1.49772e-04 (3.47879e-04)	1.49772e-04 (3.47879e-04)
704	9.27090e-06 (6.42306e-04)	9.27603e-06 (3.51465e-05)	9.27106e-06 (6.42379e-04)	9.27106e-06 (6.42379e-04)
804	9.08800e-06 (1.98213e-03)	9.09397e-06 (3.53947e-05)	9.07025e-06 (1.98391e-03)	9.07025e-06 (1.98391e-03)
904	2.84816e-05 (1.11585e-03)	2.85248e-05 (3.54510e-05)	2.84875e-05 (1.11597e-03)	2.84875e-05 (1.11597e-03)

Source Cell: 3, Alternate Approach: 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83569e-04 (3.08993e-05)	1.83566e-04 (3.98626e-05)	1.83571e-04 (3.41819e-05)	1.83571e-04 (3.41819e-05)
204	1.55078e-04 (4.64368e-04)	1.55023e-04 (3.96298e-05)	1.55017e-04 (3.37240e-05)	1.55017e-04 (3.37240e-05)
304	1.95496e-03 (4.81241e-05)	1.95520e-03 (4.70577e-05)	1.95515e-03 (4.81236e-05)	1.95515e-03 (4.81236e-05)
404	1.09725e-04 (1.90140e-03)	1.10039e-04 (3.53878e-05)	1.10050e-04 (4.10272e-04)	1.10050e-04 (4.10272e-04)
504	2.14030e-04 (1.35935e-03)	2.14384e-04 (3.54243e-05)	2.14449e-04 (2.85432e-04)	2.14449e-04 (2.85432e-04)
604	1.68841e-03 (4.73359e-04)	1.68893e-03 (3.59135e-05)	1.68935e-03 (4.73226e-04)	1.68935e-03 (4.73226e-04)
704	9.28027e-06 (6.42007e-04)	9.27529e-06 (3.51548e-05)	9.28062e-06 (6.41982e-04)	9.28062e-06 (6.41982e-04)
804	9.07722e-06 (1.98301e-03)	9.09442e-06 (3.53884e-05)	9.11167e-06 (1.97938e-03)	9.11167e-06 (1.97938e-03)
904	4.17364e-05 (9.20093e-04)	4.16707e-05 (3.54986e-05)	4.16786e-05 (9.20771e-04)	4.16786e-05 (9.20771e-04)

Fairness Comparison Tables: Void

Source Cell: 4, Alternate Approach: 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.67114e-04 (3.42205e-05)	1.67108e-04 (3.85793e-05)	1.67119e-04 (3.80970e-05)	1.67119e-04 (3.80970e-05)
204	1.68128e-03 (3.31035e-05)	1.68125e-03 (3.42198e-05)	1.68127e-03 (3.42159e-05)	1.68127e-03 (3.42159e-05)
304	1.20797e-04 (5.31156e-04)	1.20804e-04 (3.51542e-05)	1.20718e-04 (2.44924e-04)	1.20718e-04 (2.44924e-04)
404	2.21570e-02 (4.70018e-05)	2.21588e-02 (4.69952e-05)	2.21568e-02 (4.69996e-05)	2.21568e-02 (4.69996e-05)
504	1.20289e-03 (5.65019e-04)	1.20318e-03 (3.57385e-05)	1.20316e-03 (3.57442e-05)	1.20316e-03 (3.57442e-05)
604	1.17582e-04 (1.83709e-03)	1.17344e-04 (3.53916e-05)	1.17354e-04 (3.25779e-04)	1.17354e-04 (3.25779e-04)
704	8.25734e-06 (6.81729e-04)	8.25533e-06 (3.51325e-05)	8.25652e-06 (6.81762e-04)	8.25652e-06 (6.81762e-04)
804	8.10921e-06 (2.09892e-03)	8.11291e-06 (3.53832e-05)	8.10233e-06 (2.09975e-03)	8.10233e-06 (2.09975e-03)
904	2.26934e-05 (1.25140e-03)	2.26783e-05 (3.54336e-05)	2.27006e-05 (1.25100e-03)	2.27006e-05 (1.25100e-03)

Source Cell: 5, Alternate Approach: 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.81556e-04 (3.01510e-05)	1.81559e-04 (3.99414e-05)	1.81547e-04 (3.41115e-05)	1.81547e-04 (3.41115e-05)
204	1.68112e-03 (3.31067e-05)	1.68129e-03 (3.42165e-05)	1.68128e-03 (3.42166e-05)	1.68128e-03 (3.42166e-05)
304	2.60381e-04 (3.53199e-04)	2.60180e-04 (3.55901e-05)	2.60216e-04 (3.53340e-04)	2.60216e-04 (3.53340e-04)
404	1.20351e-03 (5.64893e-04)	1.20311e-03 (3.57444e-05)	1.20316e-03 (3.57393e-05)	1.20316e-03 (3.57393e-05)
504	2.21575e-02 (4.69977e-05)	2.21559e-02 (4.70014e-05)	2.21583e-02 (4.69985e-05)	2.21583e-02 (4.69985e-05)
604	2.44344e-04 (1.27157e-03)	2.43976e-04 (3.54274e-05)	2.44212e-04 (1.27189e-03)	2.44212e-04 (1.27189e-03)
704	8.39912e-06 (6.75724e-04)	8.40971e-06 (3.51336e-05)	8.40374e-06 (6.75531e-04)	8.40374e-06 (6.75531e-04)
804	8.25246e-06 (2.07974e-03)	8.26088e-06 (3.53869e-05)	8.28181e-06 (2.07653e-03)	8.28181e-06 (2.07653e-03)
904	2.63849e-05 (1.16002e-03)	2.64155e-05 (3.54420e-05)	2.64004e-05 (1.15955e-03)	2.64004e-05 (1.15955e-03)

Fairness Comparison Tables: Void

Source Cell: 6, Alternate Approach: 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.71789e-04 (3.24532e-05)	1.71785e-04 (3.64227e-05)	1.71798e-04 (3.24543e-05)	1.71798e-04 (3.24543e-05)
204	1.69812e-04 (4.43274e-04)	1.69836e-04 (4.06736e-05)	1.69857e-04 (4.43248e-04)	1.69857e-04 (4.43248e-04)
304	1.80574e-03 (2.33307e-06)	1.80575e-03 (2.33297e-06)	1.80575e-03 (2.33301e-06)	1.80575e-03 (2.33301e-06)
404	1.17346e-04 (1.83837e-03)	1.17334e-04 (3.53965e-05)	1.17586e-04 (1.83662e-03)	1.17586e-04 (1.83662e-03)
504	2.43879e-04 (1.27307e-03)	2.43963e-04 (3.54294e-05)	2.44390e-04 (1.27153e-03)	2.44390e-04 (1.27153e-03)
604	2.21576e-02 (4.70043e-05)	2.21566e-02 (4.70009e-05)	2.21561e-02 (4.70008e-05)	2.21561e-02 (4.70008e-05)
704	8.34842e-06 (6.77823e-04)	8.34618e-06 (3.51309e-05)	8.34835e-06 (6.77891e-04)	8.34835e-06 (6.77891e-04)
804	8.20178e-06 (2.08729e-03)	8.19994e-06 (3.53832e-05)	8.18484e-06 (2.08911e-03)	8.18484e-06 (2.08911e-03)
904	3.37102e-05 (1.02515e-03)	3.36518e-05 (3.54685e-05)	3.37135e-05 (1.02522e-03)	3.37135e-05 (1.02522e-03)

Source Cell: 7, Alternate Approach: 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.28492e-05 (5.43138e-04)	1.28523e-05 (3.61888e-05)	1.28449e-05 (5.43194e-04)	1.28449e-05 (5.43194e-04)
204	1.22741e-05 (1.69777e-03)	1.22449e-05 (3.69730e-05)	1.22666e-05 (1.69837e-03)	1.22666e-05 (1.69837e-03)
304	1.22000e-05 (1.70147e-03)	1.22416e-05 (3.48843e-05)	1.22266e-05 (1.69993e-03)	1.22266e-05 (1.69993e-03)
404	1.21006e-05 (5.73328e-03)	1.20149e-05 (3.53599e-05)	1.20161e-05 (5.76039e-03)	1.20161e-05 (5.76039e-03)
504	1.22880e-05 (5.68213e-03)	1.23428e-05 (3.53644e-05)	1.23483e-05 (5.67911e-03)	1.23483e-05 (5.67911e-03)
604	1.21285e-05 (5.72593e-03)	1.22062e-05 (3.53617e-05)	1.21705e-05 (5.71648e-03)	1.21705e-05 (5.71648e-03)
704	2.22010e-04 (4.34190e-05)	2.22018e-04 (4.33236e-05)	2.22011e-04 (4.34152e-05)	2.22011e-04 (4.34152e-05)
804	2.10007e-04 (3.98614e-04)	2.10137e-04 (3.61495e-05)	2.10121e-04 (3.98495e-04)	2.10121e-04 (3.98495e-04)
904	6.22417e-05 (7.50907e-04)	6.21869e-05 (3.55703e-05)	6.21802e-05 (7.51209e-04)	6.21802e-05 (7.51209e-04)

Fairness Comparison Tables: Void

Source Cell: 8, Alternate Approach: 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.42283e-06 (6.37369e-04)	9.42618e-06 (3.62741e-05)	9.41043e-06 (6.37679e-04)	9.41043e-06 (6.37679e-04)
204	9.10219e-06 (1.97222e-03)	9.09717e-06 (3.70100e-05)	9.07112e-06 (1.97532e-03)	9.07112e-06 (1.97532e-03)
304	9.08576e-06 (1.97225e-03)	9.09511e-06 (3.48721e-05)	9.07325e-06 (1.97443e-03)	9.07325e-06 (1.97443e-03)
404	8.99448e-06 (6.65306e-03)	8.96940e-06 (3.53606e-05)	8.87729e-06 (6.68601e-03)	8.87729e-06 (6.68601e-03)
504	9.14682e-06 (6.60008e-03)	9.15090e-06 (3.53601e-05)	9.07615e-06 (6.61823e-03)	9.07615e-06 (6.61823e-03)
604	9.18651e-06 (6.58436e-03)	9.07544e-06 (3.53645e-05)	9.05789e-06 (6.62177e-03)	9.05789e-06 (6.62177e-03)
704	1.95487e-04 (2.92515e-06)	1.95485e-04 (2.92520e-06)	1.95486e-04 (2.92487e-06)	1.95486e-04 (2.92487e-06)
804	1.94797e-03 (5.06607e-05)	1.94794e-03 (5.06667e-05)	1.94796e-03 (5.06655e-05)	1.94796e-03 (5.06655e-05)
904	3.57098e-05 (9.95725e-04)	3.57042e-05 (3.54841e-05)	3.56989e-05 (9.95646e-04)	3.56989e-05 (9.95646e-04)

Source Cell: 9, Alternate Approach: 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.17007e-05 (3.35949e-04)	3.17032e-05 (3.62067e-05)	3.17012e-05 (3.35917e-04)	3.17012e-05 (3.35917e-04)
204	2.52034e-05 (1.18025e-03)	2.52260e-05 (3.67107e-05)	2.52594e-05 (1.17907e-03)	2.52594e-05 (1.17907e-03)
304	3.18539e-05 (1.04971e-03)	3.18916e-05 (3.49275e-05)	3.18977e-05 (1.04899e-03)	3.18977e-05 (1.04899e-03)
404	2.33648e-05 (4.12652e-03)	2.34170e-05 (3.53691e-05)	2.33956e-05 (4.12143e-03)	2.33956e-05 (4.12143e-03)
504	2.68051e-05 (3.85333e-03)	2.66831e-05 (3.53705e-05)	2.67469e-05 (3.85781e-03)	2.67469e-05 (3.85781e-03)
604	3.15340e-05 (3.54873e-03)	3.16511e-05 (3.53684e-05)	3.14801e-05 (3.55175e-03)	3.14801e-05 (3.55175e-03)
704	3.15403e-05 (3.36484e-04)	3.15484e-05 (3.57050e-05)	3.15563e-05 (3.36382e-04)	3.15563e-05 (3.36382e-04)
804	2.94099e-05 (1.09803e-03)	2.94194e-05 (3.54599e-05)	2.94706e-05 (1.09697e-03)	2.94706e-05 (1.09697e-03)
904	2.17728e-03 (3.19590e-05)	2.17725e-03 (3.19637e-05)	2.17712e-03 (3.19597e-05)	2.17712e-03 (3.19597e-05)

Fairness Comparison Tables: Void

Source Cell: 0, Alternate Approach: 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.48900e-05 (3.18997e-04)	3.48871e-05 (3.60685e-05)	3.48850e-05 (3.19017e-04)	3.48850e-05 (3.19017e-04)
204	3.05830e-05 (1.07208e-03)	3.06162e-05 (3.68232e-05)	3.06367e-05 (1.07123e-03)	3.06367e-05 (1.07123e-03)
304	3.06016e-05 (1.07106e-03)	3.06038e-05 (3.49233e-05)	3.05904e-05 (1.07123e-03)	3.05904e-05 (1.07123e-03)
404	2.91368e-05 (3.69495e-03)	2.92210e-05 (3.53716e-05)	2.92028e-05 (3.68665e-03)	2.92028e-05 (3.68665e-03)
504	3.11680e-05 (3.57488e-03)	3.12406e-05 (3.53683e-05)	3.11865e-05 (3.56857e-03)	3.11865e-05 (3.56857e-03)
604	3.04749e-05 (3.61389e-03)	3.03805e-05 (3.53771e-05)	3.02847e-05 (3.62361e-03)	3.02847e-05 (3.62361e-03)
704	3.46729e-05 (3.19270e-04)	3.46665e-05 (3.57963e-05)	3.46859e-05 (3.19222e-04)	3.46859e-05 (3.19222e-04)
804	3.21146e-05 (1.05066e-03)	3.20901e-05 (3.54677e-05)	3.21328e-05 (1.05031e-03)	3.21328e-05 (1.05031e-03)
904	2.10175e-04 (3.98437e-04)	2.10125e-04 (3.61515e-05)	2.10008e-04 (3.98595e-04)	2.10008e-04 (3.98595e-04)

Source Cell: 1, Alternate Approach: 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.26579e-04 (4.29858e-05)	2.26555e-04 (4.23053e-05)	2.26567e-04 (4.29876e-05)	2.26567e-04 (4.29876e-05)
204	1.59620e-04 (4.58936e-04)	1.59519e-04 (3.67670e-05)	1.59518e-04 (4.59134e-04)	1.59518e-04 (4.59134e-04)
304	1.59185e-04 (4.59784e-04)	1.59314e-04 (3.52667e-05)	1.59411e-04 (4.59438e-04)	1.59411e-04 (4.59438e-04)
404	1.27938e-04 (1.76036e-03)	1.27695e-04 (3.53958e-05)	1.27611e-04 (1.76280e-03)	1.27611e-04 (1.76280e-03)
504	1.77631e-04 (1.49282e-03)	1.77952e-04 (3.54114e-05)	1.77963e-04 (1.49113e-03)	1.77963e-04 (1.49113e-03)
604	1.52894e-04 (1.60983e-03)	1.53270e-04 (3.54023e-05)	1.53278e-04 (1.60721e-03)	1.53278e-04 (1.60721e-03)
704	1.28130e-05 (5.43505e-04)	1.28195e-05 (3.52279e-05)	1.28199e-05 (3.37463e-05)	1.28199e-05 (3.37463e-05)
804	1.24521e-05 (1.69178e-03)	1.24734e-05 (3.53959e-05)	1.24788e-05 (3.07653e-04)	1.24788e-05 (3.07653e-04)
904	6.21288e-05 (7.51464e-04)	6.21847e-05 (3.55784e-05)	6.21866e-05 (3.55726e-05)	6.21866e-05 (3.55726e-05)

Fairness Comparison Tables: Void

Source Cell: 2, Alternate Approach: 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83571e-04 (3.09021e-05)	1.83564e-04 (4.12922e-05)	1.83565e-04 (3.08999e-05)	1.83565e-04 (3.08999e-05)
204	1.98717e-03 (4.79915e-05)	1.98708e-03 (4.66919e-05)	1.98724e-03 (4.79974e-05)	1.98724e-03 (4.79974e-05)
304	1.55465e-04 (4.65545e-04)	1.55569e-04 (3.52594e-05)	1.55564e-04 (4.65380e-04)	1.55564e-04 (4.65380e-04)
404	1.25901e-03 (5.51777e-04)	1.26036e-03 (3.57607e-05)	1.25995e-03 (5.51485e-04)	1.25995e-03 (5.51485e-04)
504	1.26011e-03 (5.51486e-04)	1.26033e-03 (3.57588e-05)	1.26101e-03 (5.51304e-04)	1.26101e-03 (5.51304e-04)
604	1.49636e-04 (1.62692e-03)	1.49805e-04 (3.54046e-05)	1.49565e-04 (1.62759e-03)	1.49565e-04 (1.62759e-03)
704	9.27090e-06 (6.42306e-04)	9.27603e-06 (3.51465e-05)	9.27514e-06 (3.36301e-05)	9.27514e-06 (3.36301e-05)
804	9.08800e-06 (1.98213e-03)	9.09397e-06 (3.53947e-05)	9.08805e-06 (3.06259e-04)	9.08805e-06 (3.06259e-04)
904	2.84816e-05 (1.11585e-03)	2.85248e-05 (3.54510e-05)	2.85252e-05 (3.54510e-05)	2.85252e-05 (3.54510e-05)

Source Cell: 3, Alternate Approach: 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83569e-04 (3.08993e-05)	1.83566e-04 (3.98626e-05)	1.83572e-04 (3.08994e-05)	1.83572e-04 (3.08994e-05)
204	1.55078e-04 (4.64368e-04)	1.55023e-04 (3.96298e-05)	1.55034e-04 (4.64427e-04)	1.55034e-04 (4.64427e-04)
304	1.95496e-03 (4.81241e-05)	1.95520e-03 (4.70577e-05)	1.95498e-03 (4.81244e-05)	1.95498e-03 (4.81244e-05)
404	1.09725e-04 (1.90140e-03)	1.10039e-04 (3.53878e-05)	1.10039e-04 (1.89896e-03)	1.10039e-04 (1.89896e-03)
504	2.14030e-04 (1.35935e-03)	2.14384e-04 (3.54243e-05)	2.14149e-04 (1.35880e-03)	2.14149e-04 (1.35880e-03)
604	1.68841e-03 (4.73359e-04)	1.68893e-03 (3.59135e-05)	1.68854e-03 (4.73338e-04)	1.68854e-03 (4.73338e-04)
704	9.28027e-06 (6.42007e-04)	9.27529e-06 (3.51548e-05)	9.27574e-06 (3.36239e-05)	9.27574e-06 (3.36239e-05)
804	9.07722e-06 (1.98301e-03)	9.09442e-06 (3.53884e-05)	9.09642e-06 (3.06109e-04)	9.09642e-06 (3.06109e-04)
904	4.17364e-05 (9.20093e-04)	4.16707e-05 (3.54986e-05)	4.16686e-05 (3.55000e-05)	4.16686e-05 (3.55000e-05)

Fairness Comparison Tables: Void

Source Cell: 4, Alternate Approach: 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.67114e-04 (3.42205e-05)	1.67108e-04 (3.85793e-05)	1.67104e-04 (3.42229e-05)	1.67104e-04 (3.42229e-05)
204	1.68128e-03 (3.31035e-05)	1.68125e-03 (3.42198e-05)	1.68120e-03 (3.31057e-05)	1.68120e-03 (3.31057e-05)
304	1.20797e-04 (5.31156e-04)	1.20804e-04 (3.51542e-05)	1.20866e-04 (5.31056e-04)	1.20866e-04 (5.31056e-04)
404	2.21570e-02 (4.70018e-05)	2.21588e-02 (4.69952e-05)	2.21563e-02 (4.69999e-05)	2.21563e-02 (4.69999e-05)
504	1.20289e-03 (5.65019e-04)	1.20318e-03 (3.57385e-05)	1.20334e-03 (5.64885e-04)	1.20334e-03 (5.64885e-04)
604	1.17582e-04 (1.83709e-03)	1.17344e-04 (3.53916e-05)	1.17529e-04 (1.83731e-03)	1.17529e-04 (1.83731e-03)
704	8.25734e-06 (6.81729e-04)	8.25533e-06 (3.51325e-05)	8.25626e-06 (3.35891e-05)	8.25626e-06 (3.35891e-05)
804	8.10921e-06 (2.09892e-03)	8.11291e-06 (3.53832e-05)	8.11215e-06 (3.05700e-04)	8.11215e-06 (3.05700e-04)
904	2.26934e-05 (1.25140e-03)	2.26783e-05 (3.54336e-05)	2.26786e-05 (3.54350e-05)	2.26786e-05 (3.54350e-05)

Source Cell: 5, Alternate Approach: 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.81556e-04 (3.01510e-05)	1.81559e-04 (3.99414e-05)	1.81540e-04 (3.01509e-05)	1.81540e-04 (3.01509e-05)
204	1.68112e-03 (3.31067e-05)	1.68129e-03 (3.42165e-05)	1.68132e-03 (3.31032e-05)	1.68132e-03 (3.31032e-05)
304	2.60381e-04 (3.53199e-04)	2.60180e-04 (3.55901e-05)	2.60288e-04 (3.53277e-04)	2.60288e-04 (3.53277e-04)
404	1.20351e-03 (5.64893e-04)	1.20311e-03 (3.57444e-05)	1.20272e-03 (5.65057e-04)	1.20272e-03 (5.65057e-04)
504	2.21575e-02 (4.69977e-05)	2.21559e-02 (4.70014e-05)	2.21562e-02 (4.70029e-05)	2.21562e-02 (4.70029e-05)
604	2.44344e-04 (1.27157e-03)	2.43976e-04 (3.54274e-05)	2.44427e-04 (1.27128e-03)	2.44427e-04 (1.27128e-03)
704	8.39912e-06 (6.75724e-04)	8.40971e-06 (3.51336e-05)	8.40916e-06 (3.36012e-05)	8.40916e-06 (3.36012e-05)
804	8.25246e-06 (2.07974e-03)	8.26088e-06 (3.53869e-05)	8.25895e-06 (3.05791e-04)	8.25895e-06 (3.05791e-04)
904	2.63849e-05 (1.16002e-03)	2.64155e-05 (3.54420e-05)	2.64124e-05 (3.54495e-05)	2.64124e-05 (3.54495e-05)

Fairness Comparison Tables: Void

Source Cell: 6, Alternate Approach: 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.71789e-04 (3.24532e-05)	1.71785e-04 (3.64227e-05)	1.71799e-04 (3.24531e-05)	1.71799e-04 (3.24531e-05)
204	1.69812e-04 (4.43274e-04)	1.69836e-04 (4.06736e-05)	1.69828e-04 (4.43258e-04)	1.69828e-04 (4.43258e-04)
304	1.80574e-03 (2.33307e-06)	1.80575e-03 (2.33297e-06)	1.80576e-03 (2.33253e-06)	1.80576e-03 (2.33253e-06)
404	1.17346e-04 (1.83837e-03)	1.17334e-04 (3.53965e-05)	1.17442e-04 (1.83818e-03)	1.17442e-04 (1.83818e-03)
504	2.43879e-04 (1.27307e-03)	2.43963e-04 (3.54294e-05)	2.43914e-04 (1.27282e-03)	2.43914e-04 (1.27282e-03)
604	2.21576e-02 (4.70043e-05)	2.21566e-02 (4.70009e-05)	2.21576e-02 (4.69962e-05)	2.21576e-02 (4.69962e-05)
704	8.34842e-06 (6.77823e-04)	8.34618e-06 (3.51309e-05)	8.34595e-06 (3.35963e-05)	8.34595e-06 (3.35963e-05)
804	8.20178e-06 (2.08729e-03)	8.19994e-06 (3.53832e-05)	8.19878e-06 (3.05744e-04)	8.19878e-06 (3.05744e-04)
904	3.37102e-05 (1.02515e-03)	3.36518e-05 (3.54685e-05)	3.36516e-05 (3.54735e-05)	3.36516e-05 (3.54735e-05)

Source Cell: 7, Alternate Approach: 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.28492e-05 (5.43138e-04)	1.28523e-05 (3.61888e-05)	1.28523e-05 (3.35592e-05)	1.28523e-05 (3.35592e-05)
204	1.22741e-05 (1.69777e-03)	1.22449e-05 (3.69730e-05)	1.22402e-05 (3.09499e-04)	1.22402e-05 (3.09499e-04)
304	1.22000e-05 (1.70147e-03)	1.22416e-05 (3.48843e-05)	1.22440e-05 (3.09226e-04)	1.22440e-05 (3.09226e-04)
404	1.21006e-05 (5.73328e-03)	1.20149e-05 (3.53599e-05)	1.20169e-05 (1.09466e-03)	1.20169e-05 (1.09466e-03)
504	1.22880e-05 (5.68213e-03)	1.23428e-05 (3.53644e-05)	1.23284e-05 (1.08060e-03)	1.23284e-05 (1.08060e-03)
604	1.21285e-05 (5.72593e-03)	1.22062e-05 (3.53617e-05)	1.22075e-05 (1.08594e-03)	1.22075e-05 (1.08594e-03)
704	2.22010e-04 (4.34190e-05)	2.22018e-04 (4.33236e-05)	2.22017e-04 (4.34159e-05)	2.22017e-04 (4.34159e-05)
804	2.10007e-04 (3.98614e-04)	2.10137e-04 (3.61495e-05)	2.10313e-04 (3.98322e-04)	2.10313e-04 (3.98322e-04)
904	6.22417e-05 (7.50907e-04)	6.21869e-05 (3.55703e-05)	6.21880e-05 (3.55723e-05)	6.21880e-05 (3.55723e-05)

Fairness Comparison Tables: Void

Source Cell: 8, Alternate Approach: 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.42283e-06 (6.37369e-04)	9.42618e-06 (3.62741e-05)	9.42598e-06 (3.34619e-05)	9.42598e-06 (3.34619e-05)
204	9.10219e-06 (1.97222e-03)	9.09717e-06 (3.70100e-05)	9.09620e-06 (3.07091e-04)	9.09620e-06 (3.07091e-04)
304	9.08576e-06 (1.97225e-03)	9.09511e-06 (3.48721e-05)	9.09537e-06 (3.06870e-04)	9.09537e-06 (3.06870e-04)
404	8.99448e-06 (6.65306e-03)	8.96940e-06 (3.53606e-05)	8.97255e-06 (1.08412e-03)	8.97255e-06 (1.08412e-03)
504	9.14682e-06 (6.60008e-03)	9.15090e-06 (3.53601e-05)	9.14154e-06 (1.07402e-03)	9.14154e-06 (1.07402e-03)
604	9.18651e-06 (6.58436e-03)	9.07544e-06 (3.53645e-05)	9.07245e-06 (1.07810e-03)	9.07245e-06 (1.07810e-03)
704	1.95487e-04 (2.92515e-06)	1.95485e-04 (2.92520e-06)	1.95485e-04 (2.92526e-06)	1.95485e-04 (2.92526e-06)
804	1.94797e-03 (5.06607e-05)	1.94794e-03 (5.06667e-05)	1.94792e-03 (5.06663e-05)	1.94792e-03 (5.06663e-05)
904	3.57098e-05 (9.95725e-04)	3.57042e-05 (3.54841e-05)	3.57023e-05 (3.54826e-05)	3.57023e-05 (3.54826e-05)

Source Cell: 9, Alternate Approach: 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.17007e-05 (3.35949e-04)	3.17032e-05 (3.62067e-05)	3.17022e-05 (3.40186e-05)	3.17022e-05 (3.40186e-05)
204	2.52034e-05 (1.18025e-03)	2.52260e-05 (3.67107e-05)	2.52219e-05 (3.42593e-04)	2.52219e-05 (3.42593e-04)
304	3.18539e-05 (1.04971e-03)	3.18916e-05 (3.49275e-05)	3.18904e-05 (3.01425e-04)	3.18904e-05 (3.01425e-04)
404	2.33648e-05 (4.12652e-03)	2.34170e-05 (3.53691e-05)	2.34315e-05 (1.23753e-03)	2.34315e-05 (1.23753e-03)
504	2.68051e-05 (3.85333e-03)	2.66831e-05 (3.53705e-05)	2.66691e-05 (1.15966e-03)	2.66691e-05 (1.15966e-03)
604	3.15340e-05 (3.54873e-03)	3.16511e-05 (3.53684e-05)	3.16710e-05 (1.06342e-03)	3.16710e-05 (1.06342e-03)
704	3.15403e-05 (3.36484e-04)	3.15484e-05 (3.57050e-05)	3.15480e-05 (3.44656e-05)	3.15480e-05 (3.44656e-05)
804	2.94099e-05 (1.09803e-03)	2.94194e-05 (3.54599e-05)	2.94140e-05 (3.16905e-04)	2.94140e-05 (3.16905e-04)
904	2.17728e-03 (3.19590e-05)	2.17725e-03 (3.19637e-05)	2.17716e-03 (3.19621e-05)	2.17716e-03 (3.19621e-05)

Fairness Comparison Tables: Void

Source Cell: 0, Alternate Approach: 1 & 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.48900e-05 (3.18997e-04)	3.48871e-05 (3.60685e-05)	3.48849e-05 (3.43037e-05)	3.48849e-05 (3.43037e-05)
204	3.05830e-05 (1.07208e-03)	3.06162e-05 (3.68232e-05)	3.06179e-05 (3.25295e-04)	3.06179e-05 (3.25295e-04)
304	3.06016e-05 (1.07106e-03)	3.06038e-05 (3.49233e-05)	3.05970e-05 (3.25221e-04)	3.05970e-05 (3.25221e-04)
404	2.91368e-05 (3.69495e-03)	2.92210e-05 (3.53716e-05)	2.92422e-05 (1.16227e-03)	2.92422e-05 (1.16227e-03)
504	3.11680e-05 (3.57488e-03)	3.12406e-05 (3.53683e-05)	3.12624e-05 (1.12374e-03)	3.12624e-05 (1.12374e-03)
604	3.04749e-05 (3.61389e-03)	3.03805e-05 (3.53771e-05)	3.04187e-05 (1.13922e-03)	3.04187e-05 (1.13922e-03)
704	3.46729e-05 (3.19270e-04)	3.46665e-05 (3.57963e-05)	3.46649e-05 (3.45956e-05)	3.46649e-05 (3.45956e-05)
804	3.21146e-05 (1.05066e-03)	3.20901e-05 (3.54677e-05)	3.20996e-05 (3.18461e-04)	3.20996e-05 (3.18461e-04)
904	2.10175e-04 (3.98437e-04)	2.10125e-04 (3.61515e-05)	2.10134e-04 (3.61502e-05)	2.10134e-04 (3.61502e-05)

Source Cell: 1, Alternate Approach: 1 & 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.26579e-04 (4.29858e-05)	2.26555e-04 (4.23053e-05)	2.26559e-04 (4.22746e-05)	2.26559e-04 (4.22746e-05)
204	1.59620e-04 (4.58936e-04)	1.59519e-04 (3.67670e-05)	1.59504e-04 (3.40340e-05)	1.59504e-04 (3.40340e-05)
304	1.59185e-04 (4.59784e-04)	1.59314e-04 (3.52667e-05)	1.59315e-04 (3.43464e-05)	1.59315e-04 (3.43464e-05)
404	1.27938e-04 (1.76036e-03)	1.27695e-04 (3.53958e-05)	1.27682e-04 (3.83942e-04)	1.27682e-04 (3.83942e-04)
504	1.77631e-04 (1.49282e-03)	1.77952e-04 (3.54114e-05)	1.78038e-04 (3.20732e-04)	1.78038e-04 (3.20732e-04)
604	1.52894e-04 (1.60983e-03)	1.53270e-04 (3.54023e-05)	1.53236e-04 (3.48071e-04)	1.53236e-04 (3.48071e-04)
704	1.28130e-05 (5.43505e-04)	1.28195e-05 (3.52279e-05)	1.28139e-05 (5.43472e-04)	1.28139e-05 (5.43472e-04)
804	1.24521e-05 (1.69178e-03)	1.24734e-05 (3.53959e-05)	1.24727e-05 (1.69056e-03)	1.24727e-05 (1.69056e-03)
904	6.21288e-05 (7.51464e-04)	6.21847e-05 (3.55784e-05)	6.22465e-05 (7.50849e-04)	6.22465e-05 (7.50849e-04)

Fairness Comparison Tables: Void

Source Cell: 2, Alternate Approach: 1 & 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83571e-04 (3.09021e-05)	1.83564e-04 (4.12922e-05)	1.83561e-04 (4.12807e-05)	1.83561e-04 (4.12807e-05)
204	1.98717e-03 (4.79915e-05)	1.98708e-03 (4.66919e-05)	1.98715e-03 (4.66898e-05)	1.98715e-03 (4.66898e-05)
304	1.55465e-04 (4.65545e-04)	1.55569e-04 (3.52594e-05)	1.55562e-04 (3.43373e-05)	1.55562e-04 (3.43373e-05)
404	1.25901e-03 (5.51777e-04)	1.26036e-03 (3.57607e-05)	1.26036e-03 (3.57599e-05)	1.26036e-03 (3.57599e-05)
504	1.26011e-03 (5.51486e-04)	1.26033e-03 (3.57588e-05)	1.26037e-03 (3.57618e-05)	1.26037e-03 (3.57618e-05)
604	1.49636e-04 (1.62692e-03)	1.49805e-04 (3.54046e-05)	1.49778e-04 (3.47837e-04)	1.49778e-04 (3.47837e-04)
704	9.27090e-06 (6.42306e-04)	9.27603e-06 (3.51465e-05)	9.27770e-06 (6.42121e-04)	9.27770e-06 (6.42121e-04)
804	9.08800e-06 (1.98213e-03)	9.09397e-06 (3.53947e-05)	9.08701e-06 (1.98155e-03)	9.08701e-06 (1.98155e-03)
904	2.84816e-05 (1.11585e-03)	2.85248e-05 (3.54510e-05)	2.84814e-05 (1.11607e-03)	2.84814e-05 (1.11607e-03)

Source Cell: 3, Alternate Approach: 1 & 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83569e-04 (3.08993e-05)	1.83566e-04 (3.98626e-05)	1.83570e-04 (3.98499e-05)	1.83570e-04 (3.98499e-05)
204	1.55078e-04 (4.64368e-04)	1.55023e-04 (3.96298e-05)	1.55020e-04 (3.37246e-05)	1.55020e-04 (3.37246e-05)
304	1.95496e-03 (4.81241e-05)	1.95520e-03 (4.70577e-05)	1.95519e-03 (4.70576e-05)	1.95519e-03 (4.70576e-05)
404	1.09725e-04 (1.90140e-03)	1.10039e-04 (3.53878e-05)	1.10053e-04 (4.10230e-04)	1.10053e-04 (4.10230e-04)
504	2.14030e-04 (1.35935e-03)	2.14384e-04 (3.54243e-05)	2.14358e-04 (2.85508e-04)	2.14358e-04 (2.85508e-04)
604	1.68841e-03 (4.73359e-04)	1.68893e-03 (3.59135e-05)	1.68897e-03 (3.59097e-05)	1.68897e-03 (3.59097e-05)
704	9.28027e-06 (6.42007e-04)	9.27529e-06 (3.51548e-05)	9.26834e-06 (6.42370e-04)	9.26834e-06 (6.42370e-04)
804	9.07722e-06 (1.98301e-03)	9.09442e-06 (3.53884e-05)	9.10724e-06 (1.98038e-03)	9.10724e-06 (1.98038e-03)
904	4.17364e-05 (9.20093e-04)	4.16707e-05 (3.54986e-05)	4.16590e-05 (9.20836e-04)	4.16590e-05 (9.20836e-04)

Fairness Comparison Tables: Void

Source Cell: 4, Alternate Approach: 1 & 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.67114e-04 (3.42205e-05)	1.67108e-04 (3.85793e-05)	1.67114e-04 (3.80996e-05)	1.67114e-04 (3.80996e-05)
204	1.68128e-03 (3.31035e-05)	1.68125e-03 (3.42198e-05)	1.68127e-03 (3.42169e-05)	1.68127e-03 (3.42169e-05)
304	1.20797e-04 (5.31156e-04)	1.20804e-04 (3.51542e-05)	1.20796e-04 (2.45141e-04)	1.20796e-04 (2.45141e-04)
404	2.21570e-02 (4.70018e-05)	2.21588e-02 (4.69952e-05)	2.21560e-02 (4.70058e-05)	2.21560e-02 (4.70058e-05)
504	1.20289e-03 (5.65019e-04)	1.20318e-03 (3.57385e-05)	1.20303e-03 (3.57457e-05)	1.20303e-03 (3.57457e-05)
604	1.17582e-04 (1.83709e-03)	1.17344e-04 (3.53916e-05)	1.17333e-04 (3.25774e-04)	1.17333e-04 (3.25774e-04)
704	8.25734e-06 (6.81729e-04)	8.25533e-06 (3.51325e-05)	8.25913e-06 (6.81507e-04)	8.25913e-06 (6.81507e-04)
804	8.10921e-06 (2.09892e-03)	8.11291e-06 (3.53832e-05)	8.11312e-06 (2.09830e-03)	8.11312e-06 (2.09830e-03)
904	2.26934e-05 (1.25140e-03)	2.26783e-05 (3.54336e-05)	2.27028e-05 (1.25150e-03)	2.27028e-05 (1.25150e-03)

Source Cell: 5, Alternate Approach: 1 & 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.81556e-04 (3.01510e-05)	1.81559e-04 (3.99414e-05)	1.81556e-04 (3.41130e-05)	1.81556e-04 (3.41130e-05)
204	1.68112e-03 (3.31067e-05)	1.68129e-03 (3.42165e-05)	1.68121e-03 (3.42177e-05)	1.68121e-03 (3.42177e-05)
304	2.60381e-04 (3.53199e-04)	2.60180e-04 (3.55901e-05)	2.60116e-04 (3.53393e-04)	2.60116e-04 (3.53393e-04)
404	1.20351e-03 (5.64893e-04)	1.20311e-03 (3.57444e-05)	1.20309e-03 (3.57424e-05)	1.20309e-03 (3.57424e-05)
504	2.21575e-02 (4.69977e-05)	2.21559e-02 (4.70014e-05)	2.21578e-02 (4.70030e-05)	2.21578e-02 (4.70030e-05)
604	2.44344e-04 (1.27157e-03)	2.43976e-04 (3.54274e-05)	2.44390e-04 (1.27158e-03)	2.44390e-04 (1.27158e-03)
704	8.39912e-06 (6.75724e-04)	8.40971e-06 (3.51336e-05)	8.40718e-06 (6.75349e-04)	8.40718e-06 (6.75349e-04)
804	8.25246e-06 (2.07974e-03)	8.26088e-06 (3.53869e-05)	8.25022e-06 (2.08060e-03)	8.25022e-06 (2.08060e-03)
904	2.63849e-05 (1.16002e-03)	2.64155e-05 (3.54420e-05)	2.64104e-05 (1.15964e-03)	2.64104e-05 (1.15964e-03)

Fairness Comparison Tables: Void

Source Cell: 6, Alternate Approach: 1 & 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.71789e-04 (3.24532e-05)	1.71785e-04 (3.64227e-05)	1.71793e-04 (3.24527e-05)	1.71793e-04 (3.24527e-05)
204	1.69812e-04 (4.43274e-04)	1.69836e-04 (4.06736e-05)	1.69891e-04 (4.43177e-04)	1.69891e-04 (4.43177e-04)
304	1.80574e-03 (2.33307e-06)	1.80575e-03 (2.33297e-06)	1.80575e-03 (2.33265e-06)	1.80575e-03 (2.33265e-06)
404	1.17346e-04 (1.83837e-03)	1.17334e-04 (3.53965e-05)	1.17361e-04 (1.83807e-03)	1.17361e-04 (1.83807e-03)
504	2.43879e-04 (1.27307e-03)	2.43963e-04 (3.54294e-05)	2.44024e-04 (1.27238e-03)	2.44024e-04 (1.27238e-03)
604	2.21576e-02 (4.70043e-05)	2.21566e-02 (4.70009e-05)	2.21554e-02 (4.70014e-05)	2.21554e-02 (4.70014e-05)
704	8.34842e-06 (6.77823e-04)	8.34618e-06 (3.51309e-05)	8.34518e-06 (6.77953e-04)	8.34518e-06 (6.77953e-04)
804	8.20178e-06 (2.08729e-03)	8.19994e-06 (3.53832e-05)	8.18517e-06 (2.08874e-03)	8.18517e-06 (2.08874e-03)
904	3.37102e-05 (1.02515e-03)	3.36518e-05 (3.54685e-05)	3.37133e-05 (1.02516e-03)	3.37133e-05 (1.02516e-03)

Source Cell: 7, Alternate Approach: 1 & 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.28492e-05 (5.43138e-04)	1.28523e-05 (3.61888e-05)	1.28594e-05 (5.42949e-04)	1.28594e-05 (5.42949e-04)
204	1.22741e-05 (1.69777e-03)	1.22449e-05 (3.69730e-05)	1.22284e-05 (1.70094e-03)	1.22284e-05 (1.70094e-03)
304	1.22000e-05 (1.70147e-03)	1.22416e-05 (3.48843e-05)	1.22722e-05 (1.69603e-03)	1.22722e-05 (1.69603e-03)
404	1.21006e-05 (5.73328e-03)	1.20149e-05 (3.53599e-05)	1.19056e-05 (5.78346e-03)	1.19056e-05 (5.78346e-03)
504	1.22880e-05 (5.68213e-03)	1.23428e-05 (3.53644e-05)	1.23329e-05 (5.67847e-03)	1.23329e-05 (5.67847e-03)
604	1.21285e-05 (5.72593e-03)	1.22062e-05 (3.53617e-05)	1.21954e-05 (5.70782e-03)	1.21954e-05 (5.70782e-03)
704	2.22010e-04 (4.34190e-05)	2.22018e-04 (4.33236e-05)	2.22011e-04 (4.33239e-05)	2.22011e-04 (4.33239e-05)
804	2.10007e-04 (3.98614e-04)	2.10137e-04 (3.61495e-05)	2.10130e-04 (3.61519e-05)	2.10130e-04 (3.61519e-05)
904	6.22417e-05 (7.50907e-04)	6.21869e-05 (3.55703e-05)	6.22133e-05 (7.51046e-04)	6.22133e-05 (7.51046e-04)

Fairness Comparison Tables: Void

Source Cell: 8, Alternate Approach: 1 & 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.42283e-06 (6.37369e-04)	9.42618e-06 (3.62741e-05)	9.43435e-06 (6.36883e-04)	9.43435e-06 (6.36883e-04)
204	9.10219e-06 (1.97222e-03)	9.09717e-06 (3.70100e-05)	9.12344e-06 (1.97024e-03)	9.12344e-06 (1.97024e-03)
304	9.08576e-06 (1.97225e-03)	9.09511e-06 (3.48721e-05)	9.10869e-06 (1.97002e-03)	9.10869e-06 (1.97002e-03)
404	8.99448e-06 (6.65306e-03)	8.96940e-06 (3.53606e-05)	8.99736e-06 (6.65161e-03)	8.99736e-06 (6.65161e-03)
504	9.14682e-06 (6.60008e-03)	9.15090e-06 (3.53601e-05)	9.31143e-06 (6.54396e-03)	9.31143e-06 (6.54396e-03)
604	9.18651e-06 (6.58436e-03)	9.07544e-06 (3.53645e-05)	9.09028e-06 (6.61524e-03)	9.09028e-06 (6.61524e-03)
704	1.95487e-04 (2.92515e-06)	1.95485e-04 (2.92520e-06)	1.95485e-04 (2.92526e-06)	1.95485e-04 (2.92526e-06)
804	1.94797e-03 (5.06607e-05)	1.94794e-03 (5.06667e-05)	1.94803e-03 (5.06636e-05)	1.94803e-03 (5.06636e-05)
904	3.57098e-05 (9.95725e-04)	3.57042e-05 (3.54841e-05)	3.56429e-05 (9.96637e-04)	3.56429e-05 (9.96637e-04)

Source Cell: 9, Alternate Approach: 1 & 2, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.17007e-05 (3.35949e-04)	3.17032e-05 (3.62067e-05)	3.17109e-05 (3.35902e-04)	3.17109e-05 (3.35902e-04)
204	2.52034e-05 (1.18025e-03)	2.52260e-05 (3.67107e-05)	2.51927e-05 (1.18051e-03)	2.51927e-05 (1.18051e-03)
304	3.18539e-05 (1.04971e-03)	3.18916e-05 (3.49275e-05)	3.18278e-05 (1.04993e-03)	3.18278e-05 (1.04993e-03)
404	2.33648e-05 (4.12652e-03)	2.34170e-05 (3.53691e-05)	2.34489e-05 (4.11919e-03)	2.34489e-05 (4.11919e-03)
504	2.68051e-05 (3.85333e-03)	2.66831e-05 (3.53705e-05)	2.67085e-05 (3.86005e-03)	2.67085e-05 (3.86005e-03)
604	3.15340e-05 (3.54873e-03)	3.16511e-05 (3.53684e-05)	3.17466e-05 (3.54411e-03)	3.17466e-05 (3.54411e-03)
704	3.15403e-05 (3.36484e-04)	3.15484e-05 (3.57050e-05)	3.15444e-05 (3.36464e-04)	3.15444e-05 (3.36464e-04)
804	2.94099e-05 (1.09803e-03)	2.94194e-05 (3.54599e-05)	2.93555e-05 (1.09914e-03)	2.93555e-05 (1.09914e-03)
904	2.17728e-03 (3.19590e-05)	2.17725e-03 (3.19637e-05)	2.17728e-03 (3.19603e-05)	2.17728e-03 (3.19603e-05)

Fairness Comparison Tables: Void

Source Cell: 0, Alternate Approach: 1 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.48900e-05 (3.18997e-04)	3.48871e-05 (3.60685e-05)	3.48864e-05 (3.43036e-05)	3.48864e-05 (3.43036e-05)
204	3.05830e-05 (1.07208e-03)	3.06162e-05 (3.68232e-05)	3.06108e-05 (3.25329e-04)	3.06108e-05 (3.25329e-04)
304	3.06016e-05 (1.07106e-03)	3.06038e-05 (3.49233e-05)	3.06134e-05 (3.25123e-04)	3.06134e-05 (3.25123e-04)
404	2.91368e-05 (3.69495e-03)	2.92210e-05 (3.53716e-05)	2.91735e-05 (1.16337e-03)	2.91735e-05 (1.16337e-03)
504	3.11680e-05 (3.57488e-03)	3.12406e-05 (3.53683e-05)	3.12446e-05 (1.12381e-03)	3.12446e-05 (1.12381e-03)
604	3.04749e-05 (3.61389e-03)	3.03805e-05 (3.53771e-05)	3.04069e-05 (1.13955e-03)	3.04069e-05 (1.13955e-03)
704	3.46729e-05 (3.19270e-04)	3.46665e-05 (3.57963e-05)	3.46657e-05 (3.46001e-05)	3.46657e-05 (3.46001e-05)
804	3.21146e-05 (1.05066e-03)	3.20901e-05 (3.54677e-05)	3.20944e-05 (3.18489e-04)	3.20944e-05 (3.18489e-04)
904	2.10175e-04 (3.98437e-04)	2.10125e-04 (3.61515e-05)	2.10126e-04 (3.61484e-05)	2.10126e-04 (3.61484e-05)

Source Cell: 1, Alternate Approach: 1 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.26579e-04 (4.29858e-05)	2.26555e-04 (4.23053e-05)	2.26570e-04 (4.22727e-05)	2.26570e-04 (4.22727e-05)
204	1.59620e-04 (4.58936e-04)	1.59519e-04 (3.67670e-05)	1.59497e-04 (3.40401e-05)	1.59497e-04 (3.40401e-05)
304	1.59185e-04 (4.59784e-04)	1.59314e-04 (3.52667e-05)	1.59310e-04 (3.43477e-05)	1.59310e-04 (3.43477e-05)
404	1.27938e-04 (1.76036e-03)	1.27695e-04 (3.53958e-05)	1.27613e-04 (3.84034e-04)	1.27613e-04 (3.84034e-04)
504	1.77631e-04 (1.49282e-03)	1.77952e-04 (3.54114e-05)	1.77831e-04 (3.20954e-04)	1.77831e-04 (3.20954e-04)
604	1.52894e-04 (1.60983e-03)	1.53270e-04 (3.54023e-05)	1.53231e-04 (3.48064e-04)	1.53231e-04 (3.48064e-04)
704	1.28130e-05 (5.43505e-04)	1.28195e-05 (3.52279e-05)	1.28195e-05 (3.37424e-05)	1.28195e-05 (3.37424e-05)
804	1.24521e-05 (1.69178e-03)	1.24734e-05 (3.53959e-05)	1.24781e-05 (3.07650e-04)	1.24781e-05 (3.07650e-04)
904	6.21288e-05 (7.51464e-04)	6.21847e-05 (3.55784e-05)	6.21846e-05 (3.55769e-05)	6.21846e-05 (3.55769e-05)

Fairness Comparison Tables: Void

Source Cell: 2, Alternate Approach: 1 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83571e-04 (3.09021e-05)	1.83564e-04 (4.12922e-05)	1.83549e-04 (3.92726e-05)	1.83549e-04 (3.92726e-05)
204	1.98717e-03 (4.79915e-05)	1.98708e-03 (4.66919e-05)	1.98719e-03 (4.66887e-05)	1.98719e-03 (4.66887e-05)
304	1.55465e-04 (4.65545e-04)	1.55569e-04 (3.52594e-05)	1.55621e-04 (4.63283e-04)	1.55621e-04 (4.63283e-04)
404	1.25901e-03 (5.51777e-04)	1.26036e-03 (3.57607e-05)	1.26029e-03 (3.57661e-05)	1.26029e-03 (3.57661e-05)
504	1.26011e-03 (5.51486e-04)	1.26033e-03 (3.57588e-05)	1.26030e-03 (3.57622e-05)	1.26030e-03 (3.57622e-05)
604	1.49636e-04 (1.62692e-03)	1.49805e-04 (3.54046e-05)	1.50103e-04 (1.62394e-03)	1.50103e-04 (1.62394e-03)
704	9.27090e-06 (6.42306e-04)	9.27603e-06 (3.51465e-05)	9.27536e-06 (3.36257e-05)	9.27536e-06 (3.36257e-05)
804	9.08800e-06 (1.98213e-03)	9.09397e-06 (3.53947e-05)	9.09357e-06 (3.06148e-04)	9.09357e-06 (3.06148e-04)
904	2.84816e-05 (1.11585e-03)	2.85248e-05 (3.54510e-05)	2.85240e-05 (3.54561e-05)	2.85240e-05 (3.54561e-05)

Source Cell: 3, Alternate Approach: 1 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83569e-04 (3.08993e-05)	1.83566e-04 (3.98626e-05)	1.83567e-04 (3.74721e-05)	1.83567e-04 (3.74721e-05)
204	1.55078e-04 (4.64368e-04)	1.55023e-04 (3.96298e-05)	1.55050e-04 (4.64402e-04)	1.55050e-04 (4.64402e-04)
304	1.95496e-03 (4.81241e-05)	1.95520e-03 (4.70577e-05)	1.95516e-03 (4.70571e-05)	1.95516e-03 (4.70571e-05)
404	1.09725e-04 (1.90140e-03)	1.10039e-04 (3.53878e-05)	1.10419e-04 (1.89586e-03)	1.10419e-04 (1.89586e-03)
504	2.14030e-04 (1.35935e-03)	2.14384e-04 (3.54243e-05)	2.14515e-04 (1.35785e-03)	2.14515e-04 (1.35785e-03)
604	1.68841e-03 (4.73359e-04)	1.68893e-03 (3.59135e-05)	1.68889e-03 (3.59129e-05)	1.68889e-03 (3.59129e-05)
704	9.28027e-06 (6.42007e-04)	9.27529e-06 (3.51548e-05)	9.27557e-06 (3.36236e-05)	9.27557e-06 (3.36236e-05)
804	9.07722e-06 (1.98301e-03)	9.09442e-06 (3.53884e-05)	9.09988e-06 (3.06045e-04)	9.09988e-06 (3.06045e-04)
904	4.17364e-05 (9.20093e-04)	4.16707e-05 (3.54986e-05)	4.16681e-05 (3.55011e-05)	4.16681e-05 (3.55011e-05)

Fairness Comparison Tables: Void

Source Cell: 4, Alternate Approach: 1 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.67114e-04 (3.42205e-05)	1.67108e-04 (3.85793e-05)	1.67118e-04 (3.42208e-05)	1.67118e-04 (3.42208e-05)
204	1.68128e-03 (3.31035e-05)	1.68125e-03 (3.42198e-05)	1.68133e-03 (3.31033e-05)	1.68133e-03 (3.31033e-05)
304	1.20797e-04 (5.31156e-04)	1.20804e-04 (3.51542e-05)	1.20829e-04 (5.31203e-04)	1.20829e-04 (5.31203e-04)
404	2.21570e-02 (4.70018e-05)	2.21588e-02 (4.69952e-05)	2.21570e-02 (4.69994e-05)	2.21570e-02 (4.69994e-05)
504	1.20289e-03 (5.65019e-04)	1.20318e-03 (3.57385e-05)	1.20293e-03 (5.64983e-04)	1.20293e-03 (5.64983e-04)
604	1.17582e-04 (1.83709e-03)	1.17344e-04 (3.53916e-05)	1.17192e-04 (1.83918e-03)	1.17192e-04 (1.83918e-03)
704	8.25734e-06 (6.81729e-04)	8.25533e-06 (3.51325e-05)	8.25578e-06 (3.35936e-05)	8.25578e-06 (3.35936e-05)
804	8.10921e-06 (2.09892e-03)	8.11291e-06 (3.53832e-05)	8.11146e-06 (3.05706e-04)	8.11146e-06 (3.05706e-04)
904	2.26934e-05 (1.25140e-03)	2.26783e-05 (3.54336e-05)	2.26793e-05 (3.54378e-05)	2.26793e-05 (3.54378e-05)

Source Cell: 5, Alternate Approach: 1 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.81556e-04 (3.01510e-05)	1.81559e-04 (3.99414e-05)	1.81556e-04 (3.01502e-05)	1.81556e-04 (3.01502e-05)
204	1.68112e-03 (3.31067e-05)	1.68129e-03 (3.42165e-05)	1.68117e-03 (3.31028e-05)	1.68117e-03 (3.31028e-05)
304	2.60381e-04 (3.53199e-04)	2.60180e-04 (3.55901e-05)	2.60225e-04 (3.53321e-04)	2.60225e-04 (3.53321e-04)
404	1.20351e-03 (5.64893e-04)	1.20311e-03 (3.57444e-05)	1.20339e-03 (5.64855e-04)	1.20339e-03 (5.64855e-04)
504	2.21575e-02 (4.69977e-05)	2.21559e-02 (4.70014e-05)	2.21565e-02 (4.70016e-05)	2.21565e-02 (4.70016e-05)
604	2.44344e-04 (1.27157e-03)	2.43976e-04 (3.54274e-05)	2.43928e-04 (1.27256e-03)	2.43928e-04 (1.27256e-03)
704	8.39912e-06 (6.75724e-04)	8.40971e-06 (3.51336e-05)	8.40967e-06 (3.35936e-05)	8.40967e-06 (3.35936e-05)
804	8.25246e-06 (2.07974e-03)	8.26088e-06 (3.53869e-05)	8.25651e-06 (3.05833e-04)	8.25651e-06 (3.05833e-04)
904	2.63849e-05 (1.16002e-03)	2.64155e-05 (3.54420e-05)	2.64124e-05 (3.54491e-05)	2.64124e-05 (3.54491e-05)

Fairness Comparison Tables: Void

Source Cell: 6, Alternate Approach: 1 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.71789e-04 (3.24532e-05)	1.71785e-04 (3.64227e-05)	1.71808e-04 (3.24537e-05)	1.71808e-04 (3.24537e-05)
204	1.69812e-04 (4.43274e-04)	1.69836e-04 (4.06736e-05)	1.69854e-04 (4.43260e-04)	1.69854e-04 (4.43260e-04)
304	1.80574e-03 (2.33307e-06)	1.80575e-03 (2.33297e-06)	1.80575e-03 (2.33296e-06)	1.80575e-03 (2.33296e-06)
404	1.17346e-04 (1.83837e-03)	1.17334e-04 (3.53965e-05)	1.17529e-04 (1.83704e-03)	1.17529e-04 (1.83704e-03)
504	2.43879e-04 (1.27307e-03)	2.43963e-04 (3.54294e-05)	2.44366e-04 (1.27140e-03)	2.44366e-04 (1.27140e-03)
604	2.21576e-02 (4.70043e-05)	2.21566e-02 (4.70009e-05)	2.21564e-02 (4.70016e-05)	2.21564e-02 (4.70016e-05)
704	8.34842e-06 (6.77823e-04)	8.34618e-06 (3.51309e-05)	8.34593e-06 (3.35986e-05)	8.34593e-06 (3.35986e-05)
804	8.20178e-06 (2.08729e-03)	8.19994e-06 (3.53832e-05)	8.19570e-06 (3.05784e-04)	8.19570e-06 (3.05784e-04)
904	3.37102e-05 (1.02515e-03)	3.36518e-05 (3.54685e-05)	3.36502e-05 (3.54736e-05)	3.36502e-05 (3.54736e-05)

Source Cell: 7, Alternate Approach: 1 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.28492e-05 (5.43138e-04)	1.28523e-05 (3.61888e-05)	1.28522e-05 (3.35569e-05)	1.28522e-05 (3.35569e-05)
204	1.22741e-05 (1.69777e-03)	1.22449e-05 (3.69730e-05)	1.22511e-05 (3.09356e-04)	1.22511e-05 (3.09356e-04)
304	1.22000e-05 (1.70147e-03)	1.22416e-05 (3.48843e-05)	1.22421e-05 (3.09241e-04)	1.22421e-05 (3.09241e-04)
404	1.21006e-05 (5.73328e-03)	1.20149e-05 (3.53599e-05)	1.20221e-05 (1.09436e-03)	1.20221e-05 (1.09436e-03)
504	1.22880e-05 (5.68213e-03)	1.23428e-05 (3.53644e-05)	1.23489e-05 (1.07965e-03)	1.23489e-05 (1.07965e-03)
604	1.21285e-05 (5.72593e-03)	1.22062e-05 (3.53617e-05)	1.21926e-05 (1.08669e-03)	1.21926e-05 (1.08669e-03)
704	2.22010e-04 (4.34190e-05)	2.22018e-04 (4.33236e-05)	2.22014e-04 (4.33242e-05)	2.22014e-04 (4.33242e-05)
804	2.10007e-04 (3.98614e-04)	2.10137e-04 (3.61495e-05)	2.10157e-04 (3.61444e-05)	2.10157e-04 (3.61444e-05)
904	6.22417e-05 (7.50907e-04)	6.21869e-05 (3.55703e-05)	6.21870e-05 (3.55744e-05)	6.21870e-05 (3.55744e-05)

Fairness Comparison Tables: Void

Source Cell: 8, Alternate Approach: 1 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.42283e-06 (6.37369e-04)	9.42618e-06 (3.62741e-05)	9.42584e-06 (3.34629e-05)	9.42584e-06 (3.34629e-05)
204	9.10219e-06 (1.97222e-03)	9.09717e-06 (3.70100e-05)	9.09748e-06 (3.07053e-04)	9.09748e-06 (3.07053e-04)
304	9.08576e-06 (1.97225e-03)	9.09511e-06 (3.48721e-05)	9.10058e-06 (3.06790e-04)	9.10058e-06 (3.06790e-04)
404	8.99448e-06 (6.65306e-03)	8.96940e-06 (3.53606e-05)	8.97919e-06 (1.08355e-03)	8.97919e-06 (1.08355e-03)
504	9.14682e-06 (6.60008e-03)	9.15090e-06 (3.53601e-05)	9.15245e-06 (1.07326e-03)	9.15245e-06 (1.07326e-03)
604	9.18651e-06 (6.58436e-03)	9.07544e-06 (3.53645e-05)	9.09235e-06 (1.07721e-03)	9.09235e-06 (1.07721e-03)
704	1.95487e-04 (2.92515e-06)	1.95485e-04 (2.92520e-06)	1.95485e-04 (2.92533e-06)	1.95485e-04 (2.92533e-06)
804	1.94797e-03 (5.06607e-05)	1.94794e-03 (5.06667e-05)	1.94783e-03 (5.06700e-05)	1.94783e-03 (5.06700e-05)
904	3.57098e-05 (9.95725e-04)	3.57042e-05 (3.54841e-05)	3.57037e-05 (3.54805e-05)	3.57037e-05 (3.54805e-05)

Source Cell: 9, Alternate Approach: 1 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.17007e-05 (3.35949e-04)	3.17032e-05 (3.62067e-05)	3.17034e-05 (3.40140e-05)	3.17034e-05 (3.40140e-05)
204	2.52034e-05 (1.18025e-03)	2.52260e-05 (3.67107e-05)	2.52337e-05 (3.42516e-04)	2.52337e-05 (3.42516e-04)
304	3.18539e-05 (1.04971e-03)	3.18916e-05 (3.49275e-05)	3.18988e-05 (3.01404e-04)	3.18988e-05 (3.01404e-04)
404	2.33648e-05 (4.12652e-03)	2.34170e-05 (3.53691e-05)	2.34375e-05 (1.23766e-03)	2.34375e-05 (1.23766e-03)
504	2.68051e-05 (3.85333e-03)	2.66831e-05 (3.53705e-05)	2.67081e-05 (1.15883e-03)	2.67081e-05 (1.15883e-03)
604	3.15340e-05 (3.54873e-03)	3.16511e-05 (3.53684e-05)	3.16774e-05 (1.06334e-03)	3.16774e-05 (1.06334e-03)
704	3.15403e-05 (3.36484e-04)	3.15484e-05 (3.57050e-05)	3.15459e-05 (3.44697e-05)	3.15459e-05 (3.44697e-05)
804	2.94099e-05 (1.09803e-03)	2.94194e-05 (3.54599e-05)	2.94279e-05 (3.16844e-04)	2.94279e-05 (3.16844e-04)
904	2.17728e-03 (3.19590e-05)	2.17725e-03 (3.19637e-05)	2.17722e-03 (3.19621e-05)	2.17722e-03 (3.19621e-05)

Fairness Comparison Tables: Void

Source Cell: 0, Alternate Approach: 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.48900e-05 (3.18997e-04)	3.48871e-05 (3.60685e-05)	3.48895e-05 (3.18990e-04)	3.48895e-05 (3.18990e-04)
204	3.05830e-05 (1.07208e-03)	3.06162e-05 (3.68232e-05)	3.06388e-05 (1.07131e-03)	3.06388e-05 (1.07131e-03)
304	3.06016e-05 (1.07106e-03)	3.06038e-05 (3.49233e-05)	3.05771e-05 (1.07160e-03)	3.05771e-05 (1.07160e-03)
404	2.91368e-05 (3.69495e-03)	2.92210e-05 (3.53716e-05)	2.93611e-05 (3.68175e-03)	2.93611e-05 (3.68175e-03)
504	3.11680e-05 (3.57488e-03)	3.12406e-05 (3.53683e-05)	3.12765e-05 (3.56340e-03)	3.12765e-05 (3.56340e-03)
604	3.04749e-05 (3.61389e-03)	3.03805e-05 (3.53771e-05)	3.04966e-05 (3.61006e-03)	3.04966e-05 (3.61006e-03)
704	3.46729e-05 (3.19270e-04)	3.46665e-05 (3.57963e-05)	3.46599e-05 (3.19364e-04)	3.46599e-05 (3.19364e-04)
804	3.21146e-05 (1.05066e-03)	3.20901e-05 (3.54677e-05)	3.21165e-05 (1.05052e-03)	3.21165e-05 (1.05052e-03)
904	2.10175e-04 (3.98437e-04)	2.10125e-04 (3.61515e-05)	2.10334e-04 (3.98296e-04)	2.10334e-04 (3.98296e-04)

Source Cell: 1, Alternate Approach: 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.26579e-04 (4.29858e-05)	2.26555e-04 (4.23053e-05)	2.26573e-04 (4.29898e-05)	2.26573e-04 (4.29898e-05)
204	1.59620e-04 (4.58936e-04)	1.59519e-04 (3.67670e-05)	1.59554e-04 (4.59086e-04)	1.59554e-04 (4.59086e-04)
304	1.59185e-04 (4.59784e-04)	1.59314e-04 (3.52667e-05)	1.59317e-04 (4.59557e-04)	1.59317e-04 (4.59557e-04)
404	1.27938e-04 (1.76036e-03)	1.27695e-04 (3.53958e-05)	1.27643e-04 (1.76218e-03)	1.27643e-04 (1.76218e-03)
504	1.77631e-04 (1.49282e-03)	1.77952e-04 (3.54114e-05)	1.78424e-04 (1.48957e-03)	1.78424e-04 (1.48957e-03)
604	1.52894e-04 (1.60983e-03)	1.53270e-04 (3.54023e-05)	1.53313e-04 (1.60747e-03)	1.53313e-04 (1.60747e-03)
704	1.28130e-05 (5.43505e-04)	1.28195e-05 (3.52279e-05)	1.28198e-05 (3.37460e-05)	1.28198e-05 (3.37460e-05)
804	1.24521e-05 (1.69178e-03)	1.24734e-05 (3.53959e-05)	1.24796e-05 (3.07654e-04)	1.24796e-05 (3.07654e-04)
904	6.21288e-05 (7.51464e-04)	6.21847e-05 (3.55784e-05)	6.21851e-05 (3.55735e-05)	6.21851e-05 (3.55735e-05)

Fairness Comparison Tables: Void

Source Cell: 2, Alternate Approach: 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83571e-04 (3.09021e-05)	1.83564e-04 (4.12922e-05)	1.83561e-04 (3.41861e-05)	1.83561e-04 (3.41861e-05)
204	1.98717e-03 (4.79915e-05)	1.98708e-03 (4.66919e-05)	1.98738e-03 (4.79904e-05)	1.98738e-03 (4.79904e-05)
304	1.55465e-04 (4.65545e-04)	1.55569e-04 (3.52594e-05)	1.55558e-04 (3.43399e-05)	1.55558e-04 (3.43399e-05)
404	1.25901e-03 (5.51777e-04)	1.26036e-03 (3.57607e-05)	1.26155e-03 (5.51239e-04)	1.26155e-03 (5.51239e-04)
504	1.26011e-03 (5.51486e-04)	1.26033e-03 (3.57588e-05)	1.26042e-03 (5.51502e-04)	1.26042e-03 (5.51502e-04)
604	1.49636e-04 (1.62692e-03)	1.49805e-04 (3.54046e-05)	1.49838e-04 (3.47759e-04)	1.49838e-04 (3.47759e-04)
704	9.27090e-06 (6.42306e-04)	9.27603e-06 (3.51465e-05)	9.27510e-06 (3.36332e-05)	9.27510e-06 (3.36332e-05)
804	9.08800e-06 (1.98213e-03)	9.09397e-06 (3.53947e-05)	9.09156e-06 (3.06169e-04)	9.09156e-06 (3.06169e-04)
904	2.84816e-05 (1.11585e-03)	2.85248e-05 (3.54510e-05)	2.85227e-05 (3.54602e-05)	2.85227e-05 (3.54602e-05)

Source Cell: 3, Alternate Approach: 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83569e-04 (3.08993e-05)	1.83566e-04 (3.98626e-05)	1.83551e-04 (3.41897e-05)	1.83551e-04 (3.41897e-05)
204	1.55078e-04 (4.64368e-04)	1.55023e-04 (3.96298e-05)	1.55030e-04 (3.37186e-05)	1.55030e-04 (3.37186e-05)
304	1.95496e-03 (4.81241e-05)	1.95520e-03 (4.70577e-05)	1.95532e-03 (4.81187e-05)	1.95532e-03 (4.81187e-05)
404	1.09725e-04 (1.90140e-03)	1.10039e-04 (3.53878e-05)	1.10004e-04 (4.10333e-04)	1.10004e-04 (4.10333e-04)
504	2.14030e-04 (1.35935e-03)	2.14384e-04 (3.54243e-05)	2.14401e-04 (2.85481e-04)	2.14401e-04 (2.85481e-04)
604	1.68841e-03 (4.73359e-04)	1.68893e-03 (3.59135e-05)	1.68869e-03 (4.73294e-04)	1.68869e-03 (4.73294e-04)
704	9.28027e-06 (6.42007e-04)	9.27529e-06 (3.51548e-05)	9.27516e-06 (3.36287e-05)	9.27516e-06 (3.36287e-05)
804	9.07722e-06 (1.98301e-03)	9.09442e-06 (3.53884e-05)	9.09231e-06 (3.06170e-04)	9.09231e-06 (3.06170e-04)
904	4.17364e-05 (9.20093e-04)	4.16707e-05 (3.54986e-05)	4.16693e-05 (3.55005e-05)	4.16693e-05 (3.55005e-05)

Fairness Comparison Tables: Void

Source Cell: 4, Alternate Approach: 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.67114e-04 (3.42205e-05)	1.67108e-04 (3.85793e-05)	1.67112e-04 (3.80936e-05)	1.67112e-04 (3.80936e-05)
204	1.68128e-03 (3.31035e-05)	1.68125e-03 (3.42198e-05)	1.68125e-03 (3.42154e-05)	1.68125e-03 (3.42154e-05)
304	1.20797e-04 (5.31156e-04)	1.20804e-04 (3.51542e-05)	1.20829e-04 (2.45196e-04)	1.20829e-04 (2.45196e-04)
404	2.21570e-02 (4.70018e-05)	2.21588e-02 (4.69952e-05)	2.21588e-02 (4.70002e-05)	2.21588e-02 (4.70002e-05)
504	1.20289e-03 (5.65019e-04)	1.20318e-03 (3.57385e-05)	1.20311e-03 (3.57446e-05)	1.20311e-03 (3.57446e-05)
604	1.17582e-04 (1.83709e-03)	1.17344e-04 (3.53916e-05)	1.17284e-04 (3.25851e-04)	1.17284e-04 (3.25851e-04)
704	8.25734e-06 (6.81729e-04)	8.25533e-06 (3.51325e-05)	8.25570e-06 (3.35956e-05)	8.25570e-06 (3.35956e-05)
804	8.10921e-06 (2.09892e-03)	8.11291e-06 (3.53832e-05)	8.11404e-06 (3.05627e-04)	8.11404e-06 (3.05627e-04)
904	2.26934e-05 (1.25140e-03)	2.26783e-05 (3.54336e-05)	2.26790e-05 (3.54332e-05)	2.26790e-05 (3.54332e-05)

Source Cell: 5, Alternate Approach: 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.81556e-04 (3.01510e-05)	1.81559e-04 (3.99414e-05)	1.81546e-04 (3.41141e-05)	1.81546e-04 (3.41141e-05)
204	1.68112e-03 (3.31067e-05)	1.68129e-03 (3.42165e-05)	1.68126e-03 (3.42213e-05)	1.68126e-03 (3.42213e-05)
304	2.60381e-04 (3.53199e-04)	2.60180e-04 (3.55901e-05)	2.60411e-04 (3.53199e-04)	2.60411e-04 (3.53199e-04)
404	1.20351e-03 (5.64893e-04)	1.20311e-03 (3.57444e-05)	1.20312e-03 (3.57453e-05)	1.20312e-03 (3.57453e-05)
504	2.21575e-02 (4.69977e-05)	2.21559e-02 (4.70014e-05)	2.21559e-02 (4.69974e-05)	2.21559e-02 (4.69974e-05)
604	2.44344e-04 (1.27157e-03)	2.43976e-04 (3.54274e-05)	2.43813e-04 (1.27276e-03)	2.43813e-04 (1.27276e-03)
704	8.39912e-06 (6.75724e-04)	8.40971e-06 (3.51336e-05)	8.40971e-06 (3.35956e-05)	8.40971e-06 (3.35956e-05)
804	8.25246e-06 (2.07974e-03)	8.26088e-06 (3.53869e-05)	8.25876e-06 (3.05788e-04)	8.25876e-06 (3.05788e-04)
904	2.63849e-05 (1.16002e-03)	2.64155e-05 (3.54420e-05)	2.64131e-05 (3.54462e-05)	2.64131e-05 (3.54462e-05)

Fairness Comparison Tables: Void

Source Cell: 6, Alternate Approach: 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.71789e-04 (3.24532e-05)	1.71785e-04 (3.64227e-05)	1.71800e-04 (3.24524e-05)	1.71800e-04 (3.24524e-05)
204	1.69812e-04 (4.43274e-04)	1.69836e-04 (4.06736e-05)	1.69785e-04 (4.43357e-04)	1.69785e-04 (4.43357e-04)
304	1.80574e-03 (2.33307e-06)	1.80575e-03 (2.33297e-06)	1.80575e-03 (2.33286e-06)	1.80575e-03 (2.33286e-06)
404	1.17346e-04 (1.83837e-03)	1.17334e-04 (3.53965e-05)	1.17367e-04 (1.83819e-03)	1.17367e-04 (1.83819e-03)
504	2.43879e-04 (1.27307e-03)	2.43963e-04 (3.54294e-05)	2.43811e-04 (1.27312e-03)	2.43811e-04 (1.27312e-03)
604	2.21576e-02 (4.70043e-05)	2.21566e-02 (4.70009e-05)	2.21552e-02 (4.70019e-05)	2.21552e-02 (4.70019e-05)
704	8.34842e-06 (6.77823e-04)	8.34618e-06 (3.51309e-05)	8.34587e-06 (3.35968e-05)	8.34587e-06 (3.35968e-05)
804	8.20178e-06 (2.08729e-03)	8.19994e-06 (3.53832e-05)	8.19898e-06 (3.05715e-04)	8.19898e-06 (3.05715e-04)
904	3.37102e-05 (1.02515e-03)	3.36518e-05 (3.54685e-05)	3.36517e-05 (3.54693e-05)	3.36517e-05 (3.54693e-05)

Source Cell: 7, Alternate Approach: 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.28492e-05 (5.43138e-04)	1.28523e-05 (3.61888e-05)	1.28517e-05 (3.35583e-05)	1.28517e-05 (3.35583e-05)
204	1.22741e-05 (1.69777e-03)	1.22449e-05 (3.69730e-05)	1.22433e-05 (3.09465e-04)	1.22433e-05 (3.09465e-04)
304	1.22000e-05 (1.70147e-03)	1.22416e-05 (3.48843e-05)	1.22436e-05 (3.09210e-04)	1.22436e-05 (3.09210e-04)
404	1.21006e-05 (5.73328e-03)	1.20149e-05 (3.53599e-05)	1.20064e-05 (1.09512e-03)	1.20064e-05 (1.09512e-03)
504	1.22880e-05 (5.68213e-03)	1.23428e-05 (3.53644e-05)	1.22920e-05 (1.08186e-03)	1.22920e-05 (1.08186e-03)
604	1.21285e-05 (5.72593e-03)	1.22062e-05 (3.53617e-05)	1.22040e-05 (1.08601e-03)	1.22040e-05 (1.08601e-03)
704	2.22010e-04 (4.34190e-05)	2.22018e-04 (4.33236e-05)	2.22017e-04 (4.34149e-05)	2.22017e-04 (4.34149e-05)
804	2.10007e-04 (3.98614e-04)	2.10137e-04 (3.61495e-05)	2.10091e-04 (3.98498e-04)	2.10091e-04 (3.98498e-04)
904	6.22417e-05 (7.50907e-04)	6.21869e-05 (3.55703e-05)	6.21869e-05 (3.55747e-05)	6.21869e-05 (3.55747e-05)

Fairness Comparison Tables: Void

Source Cell: 8, Alternate Approach: 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.42283e-06 (6.37369e-04)	9.42618e-06 (3.62741e-05)	9.42558e-06 (3.34639e-05)	9.42558e-06 (3.34639e-05)
204	9.10219e-06 (1.97222e-03)	9.09717e-06 (3.70100e-05)	9.09478e-06 (3.07109e-04)	9.09478e-06 (3.07109e-04)
304	9.08576e-06 (1.97225e-03)	9.09511e-06 (3.48721e-05)	9.09816e-06 (3.06812e-04)	9.09816e-06 (3.06812e-04)
404	8.99448e-06 (6.65306e-03)	8.96940e-06 (3.53606e-05)	8.95988e-06 (1.08479e-03)	8.95988e-06 (1.08479e-03)
504	9.14682e-06 (6.60008e-03)	9.15090e-06 (3.53601e-05)	9.14769e-06 (1.07360e-03)	9.14769e-06 (1.07360e-03)
604	9.18651e-06 (6.58436e-03)	9.07544e-06 (3.53645e-05)	9.07863e-06 (1.07784e-03)	9.07863e-06 (1.07784e-03)
704	1.95487e-04 (2.92515e-06)	1.95485e-04 (2.92520e-06)	1.95485e-04 (2.92529e-06)	1.95485e-04 (2.92529e-06)
804	1.94797e-03 (5.06607e-05)	1.94794e-03 (5.06667e-05)	1.94797e-03 (5.06655e-05)	1.94797e-03 (5.06655e-05)
904	3.57098e-05 (9.95725e-04)	3.57042e-05 (3.54841e-05)	3.57048e-05 (3.54796e-05)	3.57048e-05 (3.54796e-05)

Source Cell: 9, Alternate Approach: 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.17007e-05 (3.35949e-04)	3.17032e-05 (3.62067e-05)	3.17025e-05 (3.40148e-05)	3.17025e-05 (3.40148e-05)
204	2.52034e-05 (1.18025e-03)	2.52260e-05 (3.67107e-05)	2.52360e-05 (3.42475e-04)	2.52360e-05 (3.42475e-04)
304	3.18539e-05 (1.04971e-03)	3.18916e-05 (3.49275e-05)	3.18847e-05 (3.01456e-04)	3.18847e-05 (3.01456e-04)
404	2.33648e-05 (4.12652e-03)	2.34170e-05 (3.53691e-05)	2.34308e-05 (1.23782e-03)	2.34308e-05 (1.23782e-03)
504	2.68051e-05 (3.85333e-03)	2.66831e-05 (3.53705e-05)	2.66899e-05 (1.15897e-03)	2.66899e-05 (1.15897e-03)
604	3.15340e-05 (3.54873e-03)	3.16511e-05 (3.53684e-05)	3.16509e-05 (1.06364e-03)	3.16509e-05 (1.06364e-03)
704	3.15403e-05 (3.36484e-04)	3.15484e-05 (3.57050e-05)	3.15461e-05 (3.44688e-05)	3.15461e-05 (3.44688e-05)
804	2.94099e-05 (1.09803e-03)	2.94194e-05 (3.54599e-05)	2.94259e-05 (3.16850e-04)	2.94259e-05 (3.16850e-04)
904	2.17728e-03 (3.19590e-05)	2.17725e-03 (3.19637e-05)	2.17702e-03 (3.19647e-05)	2.17702e-03 (3.19647e-05)

Fairness Comparison Tables: Void

Source Cell: 0, Alternate Approach: 1 & 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.48900e-05 (3.18997e-04)	3.48871e-05 (3.60685e-05)	3.48837e-05 (3.43111e-05)	3.48837e-05 (3.43111e-05)
204	3.05830e-05 (1.07208e-03)	3.06162e-05 (3.68232e-05)	3.05979e-05 (3.25381e-04)	3.05979e-05 (3.25381e-04)
304	3.06016e-05 (1.07106e-03)	3.06038e-05 (3.49233e-05)	3.05873e-05 (3.25267e-04)	3.05873e-05 (3.25267e-04)
404	2.91368e-05 (3.69495e-03)	2.92210e-05 (3.53716e-05)	2.92902e-05 (1.16119e-03)	2.92902e-05 (1.16119e-03)
504	3.11680e-05 (3.57488e-03)	3.12406e-05 (3.53683e-05)	3.11838e-05 (1.12480e-03)	3.11838e-05 (1.12480e-03)
604	3.04749e-05 (3.61389e-03)	3.03805e-05 (3.53771e-05)	3.03688e-05 (1.14026e-03)	3.03688e-05 (1.14026e-03)
704	3.46729e-05 (3.19270e-04)	3.46665e-05 (3.57963e-05)	3.46652e-05 (3.45984e-05)	3.46652e-05 (3.45984e-05)
804	3.21146e-05 (1.05066e-03)	3.20901e-05 (3.54677e-05)	3.21188e-05 (3.18351e-04)	3.21188e-05 (3.18351e-04)
904	2.10175e-04 (3.98437e-04)	2.10125e-04 (3.61515e-05)	2.10120e-04 (3.61528e-05)	2.10120e-04 (3.61528e-05)

Source Cell: 1, Alternate Approach: 1 & 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.26579e-04 (4.29858e-05)	2.26555e-04 (4.23053e-05)	2.26575e-04 (4.22699e-05)	2.26575e-04 (4.22699e-05)
204	1.59620e-04 (4.58936e-04)	1.59519e-04 (3.67670e-05)	1.59506e-04 (3.40329e-05)	1.59506e-04 (3.40329e-05)
304	1.59185e-04 (4.59784e-04)	1.59314e-04 (3.52667e-05)	1.59306e-04 (3.43526e-05)	1.59306e-04 (3.43526e-05)
404	1.27938e-04 (1.76036e-03)	1.27695e-04 (3.53958e-05)	1.27726e-04 (3.83857e-04)	1.27726e-04 (3.83857e-04)
504	1.77631e-04 (1.49282e-03)	1.77952e-04 (3.54114e-05)	1.77932e-04 (3.20846e-04)	1.77932e-04 (3.20846e-04)
604	1.52894e-04 (1.60983e-03)	1.53270e-04 (3.54023e-05)	1.53218e-04 (3.48073e-04)	1.53218e-04 (3.48073e-04)
704	1.28130e-05 (5.43505e-04)	1.28195e-05 (3.52279e-05)	1.28194e-05 (3.37473e-05)	1.28194e-05 (3.37473e-05)
804	1.24521e-05 (1.69178e-03)	1.24734e-05 (3.53959e-05)	1.24690e-05 (3.07799e-04)	1.24690e-05 (3.07799e-04)
904	6.21288e-05 (7.51464e-04)	6.21847e-05 (3.55784e-05)	6.21854e-05 (3.55755e-05)	6.21854e-05 (3.55755e-05)

Fairness Comparison Tables: Void

Source Cell: 2, Alternate Approach: 1 & 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83571e-04 (3.09021e-05)	1.83564e-04 (4.12922e-05)	1.83571e-04 (4.12708e-05)	1.83571e-04 (4.12708e-05)
204	1.98717e-03 (4.79915e-05)	1.98708e-03 (4.66919e-05)	1.98720e-03 (4.66932e-05)	1.98720e-03 (4.66932e-05)
304	1.55465e-04 (4.65545e-04)	1.55569e-04 (3.52594e-05)	1.55557e-04 (3.43373e-05)	1.55557e-04 (3.43373e-05)
404	1.25901e-03 (5.51777e-04)	1.26036e-03 (3.57607e-05)	1.26039e-03 (3.57585e-05)	1.26039e-03 (3.57585e-05)
504	1.26011e-03 (5.51486e-04)	1.26033e-03 (3.57588e-05)	1.26033e-03 (3.57611e-05)	1.26033e-03 (3.57611e-05)
604	1.49636e-04 (1.62692e-03)	1.49805e-04 (3.54046e-05)	1.49734e-04 (3.47899e-04)	1.49734e-04 (3.47899e-04)
704	9.27090e-06 (6.42306e-04)	9.27603e-06 (3.51465e-05)	9.27547e-06 (3.36239e-05)	9.27547e-06 (3.36239e-05)
804	9.08800e-06 (1.98213e-03)	9.09397e-06 (3.53947e-05)	9.09569e-06 (3.06131e-04)	9.09569e-06 (3.06131e-04)
904	2.84816e-05 (1.11585e-03)	2.85248e-05 (3.54510e-05)	2.85248e-05 (3.54553e-05)	2.85248e-05 (3.54553e-05)

Source Cell: 3, Alternate Approach: 1 & 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.83569e-04 (3.08993e-05)	1.83566e-04 (3.98626e-05)	1.83571e-04 (3.98432e-05)	1.83571e-04 (3.98432e-05)
204	1.55078e-04 (4.64368e-04)	1.55023e-04 (3.96298e-05)	1.55020e-04 (3.37243e-05)	1.55020e-04 (3.37243e-05)
304	1.95496e-03 (4.81241e-05)	1.95520e-03 (4.70577e-05)	1.95500e-03 (4.70614e-05)	1.95500e-03 (4.70614e-05)
404	1.09725e-04 (1.90140e-03)	1.10039e-04 (3.53878e-05)	1.10041e-04 (4.10289e-04)	1.10041e-04 (4.10289e-04)
504	2.14030e-04 (1.35935e-03)	2.14384e-04 (3.54243e-05)	2.14414e-04 (2.85457e-04)	2.14414e-04 (2.85457e-04)
604	1.68841e-03 (4.73359e-04)	1.68893e-03 (3.59135e-05)	1.68898e-03 (3.59119e-05)	1.68898e-03 (3.59119e-05)
704	9.28027e-06 (6.42007e-04)	9.27529e-06 (3.51548e-05)	9.27595e-06 (3.36267e-05)	9.27595e-06 (3.36267e-05)
804	9.07722e-06 (1.98301e-03)	9.09442e-06 (3.53884e-05)	9.09254e-06 (3.06181e-04)	9.09254e-06 (3.06181e-04)
904	4.17364e-05 (9.20093e-04)	4.16707e-05 (3.54986e-05)	4.16698e-05 (3.54978e-05)	4.16698e-05 (3.54978e-05)

Fairness Comparison Tables: Void

Source Cell: 4, Alternate Approach: 1 & 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.67114e-04 (3.42205e-05)	1.67108e-04 (3.85793e-05)	1.67103e-04 (3.81020e-05)	1.67103e-04 (3.81020e-05)
204	1.68128e-03 (3.31035e-05)	1.68125e-03 (3.42198e-05)	1.68120e-03 (3.42179e-05)	1.68120e-03 (3.42179e-05)
304	1.20797e-04 (5.31156e-04)	1.20804e-04 (3.51542e-05)	1.20821e-04 (2.45189e-04)	1.20821e-04 (2.45189e-04)
404	2.21570e-02 (4.70018e-05)	2.21588e-02 (4.69952e-05)	2.21574e-02 (4.70015e-05)	2.21574e-02 (4.70015e-05)
504	1.20289e-03 (5.65019e-04)	1.20318e-03 (3.57385e-05)	1.20317e-03 (3.57431e-05)	1.20317e-03 (3.57431e-05)
604	1.17582e-04 (1.83709e-03)	1.17344e-04 (3.53916e-05)	1.17373e-04 (3.25733e-04)	1.17373e-04 (3.25733e-04)
704	8.25734e-06 (6.81729e-04)	8.25533e-06 (3.51325e-05)	8.25591e-06 (3.35929e-05)	8.25591e-06 (3.35929e-05)
804	8.10921e-06 (2.09892e-03)	8.11291e-06 (3.53832e-05)	8.11078e-06 (3.05717e-04)	8.11078e-06 (3.05717e-04)
904	2.26934e-05 (1.25140e-03)	2.26783e-05 (3.54336e-05)	2.26795e-05 (3.54326e-05)	2.26795e-05 (3.54326e-05)

Source Cell: 5, Alternate Approach: 1 & 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.81556e-04 (3.01510e-05)	1.81559e-04 (3.99414e-05)	1.81556e-04 (3.41121e-05)	1.81556e-04 (3.41121e-05)
204	1.68112e-03 (3.31067e-05)	1.68129e-03 (3.42165e-05)	1.68123e-03 (3.42194e-05)	1.68123e-03 (3.42194e-05)
304	2.60381e-04 (3.53199e-04)	2.60180e-04 (3.55901e-05)	2.60243e-04 (3.53313e-04)	2.60243e-04 (3.53313e-04)
404	1.20351e-03 (5.64893e-04)	1.20311e-03 (3.57444e-05)	1.20313e-03 (3.57431e-05)	1.20313e-03 (3.57431e-05)
504	2.21575e-02 (4.69977e-05)	2.21559e-02 (4.70014e-05)	2.21573e-02 (4.69955e-05)	2.21573e-02 (4.69955e-05)
604	2.44344e-04 (1.27157e-03)	2.43976e-04 (3.54274e-05)	2.44149e-04 (1.27205e-03)	2.44149e-04 (1.27205e-03)
704	8.39912e-06 (6.75724e-04)	8.40971e-06 (3.51336e-05)	8.40943e-06 (3.36011e-05)	8.40943e-06 (3.36011e-05)
804	8.25246e-06 (2.07974e-03)	8.26088e-06 (3.53869e-05)	8.26339e-06 (3.05687e-04)	8.26339e-06 (3.05687e-04)
904	2.63849e-05 (1.16002e-03)	2.64155e-05 (3.54420e-05)	2.64137e-05 (3.54464e-05)	2.64137e-05 (3.54464e-05)

Fairness Comparison Tables: Void

Source Cell: 6, Alternate Approach: 1 & 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.71789e-04 (3.24532e-05)	1.71785e-04 (3.64227e-05)	1.71793e-04 (3.24534e-05)	1.71793e-04 (3.24534e-05)
204	1.69812e-04 (4.43274e-04)	1.69836e-04 (4.06736e-05)	1.69771e-04 (4.43339e-04)	1.69771e-04 (4.43339e-04)
304	1.80574e-03 (2.33307e-06)	1.80575e-03 (2.33297e-06)	1.80575e-03 (2.33285e-06)	1.80575e-03 (2.33285e-06)
404	1.17346e-04 (1.83837e-03)	1.17334e-04 (3.53965e-05)	1.17734e-04 (1.83448e-03)	1.17734e-04 (1.83448e-03)
504	2.43879e-04 (1.27307e-03)	2.43963e-04 (3.54294e-05)	2.44788e-04 (1.27059e-03)	2.44788e-04 (1.27059e-03)
604	2.21576e-02 (4.70043e-05)	2.21566e-02 (4.70009e-05)	2.21571e-02 (4.70000e-05)	2.21571e-02 (4.70000e-05)
704	8.34842e-06 (6.77823e-04)	8.34618e-06 (3.51309e-05)	8.34638e-06 (3.35944e-05)	8.34638e-06 (3.35944e-05)
804	8.20178e-06 (2.08729e-03)	8.19994e-06 (3.53832e-05)	8.20266e-06 (3.05665e-04)	8.20266e-06 (3.05665e-04)
904	3.37102e-05 (1.02515e-03)	3.36518e-05 (3.54685e-05)	3.36497e-05 (3.54722e-05)	3.36497e-05 (3.54722e-05)

Source Cell: 7, Alternate Approach: 1 & 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.28492e-05 (5.43138e-04)	1.28523e-05 (3.61888e-05)	1.28514e-05 (3.35600e-05)	1.28514e-05 (3.35600e-05)
204	1.22741e-05 (1.69777e-03)	1.22449e-05 (3.69730e-05)	1.22413e-05 (3.09467e-04)	1.22413e-05 (3.09467e-04)
304	1.22000e-05 (1.70147e-03)	1.22416e-05 (3.48843e-05)	1.22402e-05 (3.09280e-04)	1.22402e-05 (3.09280e-04)
404	1.21006e-05 (5.73328e-03)	1.20149e-05 (3.53599e-05)	1.20097e-05 (1.09503e-03)	1.20097e-05 (1.09503e-03)
504	1.22880e-05 (5.68213e-03)	1.23428e-05 (3.53644e-05)	1.23449e-05 (1.07997e-03)	1.23449e-05 (1.07997e-03)
604	1.21285e-05 (5.72593e-03)	1.22062e-05 (3.53617e-05)	1.21896e-05 (1.08669e-03)	1.21896e-05 (1.08669e-03)
704	2.22010e-04 (4.34190e-05)	2.22018e-04 (4.33236e-05)	2.22006e-04 (4.33225e-05)	2.22006e-04 (4.33225e-05)
804	2.10007e-04 (3.98614e-04)	2.10137e-04 (3.61495e-05)	2.10130e-04 (3.61517e-05)	2.10130e-04 (3.61517e-05)
904	6.22417e-05 (7.50907e-04)	6.21869e-05 (3.55703e-05)	6.21896e-05 (3.55774e-05)	6.21896e-05 (3.55774e-05)

Fairness Comparison Tables: Void

Source Cell: 8, Alternate Approach: 1 & 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.42283e-06 (6.37369e-04)	9.42618e-06 (3.62741e-05)	9.42606e-06 (3.34597e-05)	9.42606e-06 (3.34597e-05)
204	9.10219e-06 (1.97222e-03)	9.09717e-06 (3.70100e-05)	9.09670e-06 (3.07080e-04)	9.09670e-06 (3.07080e-04)
304	9.08576e-06 (1.97225e-03)	9.09511e-06 (3.48721e-05)	9.09396e-06 (3.06886e-04)	9.09396e-06 (3.06886e-04)
404	8.99448e-06 (6.65306e-03)	8.96940e-06 (3.53606e-05)	8.98701e-06 (1.08304e-03)	8.98701e-06 (1.08304e-03)
504	9.14682e-06 (6.60008e-03)	9.15090e-06 (3.53601e-05)	9.15128e-06 (1.07349e-03)	9.15128e-06 (1.07349e-03)
604	9.18651e-06 (6.58436e-03)	9.07544e-06 (3.53645e-05)	9.06949e-06 (1.07833e-03)	9.06949e-06 (1.07833e-03)
704	1.95487e-04 (2.92515e-06)	1.95485e-04 (2.92520e-06)	1.95486e-04 (2.92504e-06)	1.95486e-04 (2.92504e-06)
804	1.94797e-03 (5.06607e-05)	1.94794e-03 (5.06667e-05)	1.94800e-03 (5.06644e-05)	1.94800e-03 (5.06644e-05)
904	3.57098e-05 (9.95725e-04)	3.57042e-05 (3.54841e-05)	3.57029e-05 (3.54845e-05)	3.57029e-05 (3.54845e-05)

Source Cell: 9, Alternate Approach: 1 & 2 & 3, Material: Void

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.17007e-05 (3.35949e-04)	3.17032e-05 (3.62067e-05)	3.17015e-05 (3.40207e-05)	3.17015e-05 (3.40207e-05)
204	2.52034e-05 (1.18025e-03)	2.52260e-05 (3.67107e-05)	2.52303e-05 (3.42564e-04)	2.52303e-05 (3.42564e-04)
304	3.18539e-05 (1.04971e-03)	3.18916e-05 (3.49275e-05)	3.19026e-05 (3.01367e-04)	3.19026e-05 (3.01367e-04)
404	2.33648e-05 (4.12652e-03)	2.34170e-05 (3.53691e-05)	2.33366e-05 (1.23991e-03)	2.33366e-05 (1.23991e-03)
504	2.68051e-05 (3.85333e-03)	2.66831e-05 (3.53705e-05)	2.66764e-05 (1.15934e-03)	2.66764e-05 (1.15934e-03)
604	3.15340e-05 (3.54873e-03)	3.16511e-05 (3.53684e-05)	3.16926e-05 (1.06283e-03)	3.16926e-05 (1.06283e-03)
704	3.15403e-05 (3.36484e-04)	3.15484e-05 (3.57050e-05)	3.15466e-05 (3.44628e-05)	3.15466e-05 (3.44628e-05)
804	2.94099e-05 (1.09803e-03)	2.94194e-05 (3.54599e-05)	2.94205e-05 (3.16879e-04)	2.94205e-05 (3.16879e-04)
904	2.17728e-03 (3.19590e-05)	2.17725e-03 (3.19637e-05)	2.17731e-03 (3.19580e-05)	2.17731e-03 (3.19580e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 0, Alternate Approach: 1, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.33158e-05 (3.25615e-04)	3.33308e-05 (3.76255e-05)	3.33332e-05 (3.64908e-05)	3.33332e-05 (3.64908e-05)
204	2.90895e-05 (1.09809e-03)	2.91011e-05 (3.73967e-05)	2.90938e-05 (3.30153e-04)	2.90938e-05 (3.30153e-04)
304	2.90260e-05 (1.09876e-03)	2.90865e-05 (3.56085e-05)	2.90960e-05 (3.29937e-04)	2.90960e-05 (3.29937e-04)
404	2.77921e-05 (3.77932e-03)	2.77362e-05 (3.56188e-05)	2.77084e-05 (1.18047e-03)	2.77084e-05 (1.18047e-03)
504	2.96223e-05 (3.66354e-03)	2.97039e-05 (3.56212e-05)	2.97164e-05 (1.14053e-03)	2.97164e-05 (1.14053e-03)
604	2.88519e-05 (3.70987e-03)	2.88672e-05 (3.56233e-05)	2.88723e-05 (1.15675e-03)	2.88723e-05 (1.15675e-03)
704	3.31295e-05 (3.25832e-04)	3.31121e-05 (3.76060e-05)	3.31109e-05 (3.68307e-05)	3.31109e-05 (3.68307e-05)
804	3.05217e-05 (1.07618e-03)	3.05397e-05 (3.62795e-05)	3.05153e-05 (3.23316e-04)	3.05153e-05 (3.23316e-04)
904	2.06176e-04 (4.01916e-04)	2.06197e-04 (3.69095e-05)	2.06187e-04 (3.69141e-05)	2.06187e-04 (3.69141e-05)

Source Cell: 1, Alternate Approach: 1, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.23215e-04 (4.39606e-05)	2.23224e-04 (4.31028e-05)	2.23232e-04 (4.30724e-05)	2.23232e-04 (4.30724e-05)
204	1.56191e-04 (4.63554e-04)	1.56059e-04 (3.73274e-05)	1.56052e-04 (3.48232e-05)	1.56052e-04 (3.48232e-05)
304	1.55704e-04 (4.64378e-04)	1.55855e-04 (3.59276e-05)	1.55866e-04 (3.51419e-05)	1.55866e-04 (3.51419e-05)
404	1.24552e-04 (1.78345e-03)	1.24550e-04 (3.56487e-05)	1.24449e-04 (3.86352e-04)	1.24449e-04 (3.86352e-04)
504	1.74025e-04 (1.50777e-03)	1.74231e-04 (3.56614e-05)	1.74212e-04 (3.22075e-04)	1.74212e-04 (3.22075e-04)
604	1.49326e-04 (1.62829e-03)	1.49822e-04 (3.56543e-05)	1.49851e-04 (3.49702e-04)	1.49851e-04 (3.49702e-04)
704	1.18699e-05 (5.63046e-04)	1.18632e-05 (3.71079e-05)	1.18667e-05 (5.63114e-04)	1.18667e-05 (5.63114e-04)
804	1.15455e-05 (1.75600e-03)	1.15174e-05 (3.62269e-05)	1.15033e-05 (1.75785e-03)	1.15033e-05 (1.75785e-03)
904	6.00421e-05 (7.63799e-04)	6.00152e-05 (3.63836e-05)	6.00024e-05 (7.63840e-04)	6.00024e-05 (7.63840e-04)

Fairness Comparison Tables: Pure Absorber

Source Cell: 2, Alternate Approach: 1, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80107e-04 (3.33618e-05)	1.80102e-04 (4.28903e-05)	1.80115e-04 (4.10644e-05)	1.80115e-04 (4.10644e-05)
204	1.97741e-03 (4.82783e-05)	1.97724e-03 (4.69483e-05)	1.97735e-03 (4.69475e-05)	1.97735e-03 (4.69475e-05)
304	1.52214e-04 (4.70005e-04)	1.52157e-04 (3.59181e-05)	1.52118e-04 (4.68129e-04)	1.52118e-04 (4.68129e-04)
404	1.25172e-03 (5.53194e-04)	1.25052e-03 (3.60022e-05)	1.25047e-03 (3.60035e-05)	1.25047e-03 (3.60035e-05)
504	1.25085e-03 (5.53401e-04)	1.25050e-03 (3.60010e-05)	1.25052e-03 (3.60009e-05)	1.25052e-03 (3.60009e-05)
604	1.46427e-04 (1.64416e-03)	1.46402e-04 (3.56545e-05)	1.46524e-04 (1.64368e-03)	1.46524e-04 (1.64368e-03)
704	8.46482e-06 (6.70079e-04)	8.46470e-06 (3.70415e-05)	8.46288e-06 (6.70241e-04)	8.46288e-06 (6.70241e-04)
804	8.27382e-06 (2.07533e-03)	8.28331e-06 (3.62160e-05)	8.27596e-06 (2.07461e-03)	8.27596e-06 (2.07461e-03)
904	2.70518e-05 (1.14401e-03)	2.70632e-05 (3.62736e-05)	2.70941e-05 (1.14317e-03)	2.70941e-05 (1.14317e-03)

Source Cell: 3, Alternate Approach: 1, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80120e-04 (3.33603e-05)	1.80104e-04 (4.15707e-05)	1.80118e-04 (3.94104e-05)	1.80118e-04 (3.94104e-05)
204	1.51515e-04 (4.69381e-04)	1.51612e-04 (4.01642e-05)	1.51606e-04 (4.69251e-04)	1.51606e-04 (4.69251e-04)
304	1.94527e-03 (4.84184e-05)	1.94521e-03 (4.73245e-05)	1.94516e-03 (4.73247e-05)	1.94516e-03 (4.73247e-05)
404	1.07016e-04 (1.92400e-03)	1.07116e-04 (3.56452e-05)	1.07116e-04 (1.92348e-03)	1.07116e-04 (1.92348e-03)
504	2.10011e-04 (1.37174e-03)	2.10304e-04 (3.56735e-05)	2.10001e-04 (1.37177e-03)	2.10001e-04 (1.37177e-03)
604	1.67883e-03 (4.74534e-04)	1.67764e-03 (3.61423e-05)	1.67761e-03 (3.61473e-05)	1.67761e-03 (3.61473e-05)
704	8.45751e-06 (6.70440e-04)	8.46408e-06 (3.70485e-05)	8.47072e-06 (6.69939e-04)	8.47072e-06 (6.69939e-04)
804	8.27668e-06 (2.07435e-03)	8.28277e-06 (3.62211e-05)	8.25867e-06 (2.07669e-03)	8.25867e-06 (2.07669e-03)
904	3.98766e-05 (9.40164e-04)	3.98949e-05 (3.63135e-05)	3.98371e-05 (9.40582e-04)	3.98371e-05 (9.40582e-04)

Fairness Comparison Tables: Pure Absorber

Source Cell: 4, Alternate Approach: 1, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.63791e-04 (3.65914e-05)	1.63784e-04 (4.05361e-05)	1.63779e-04 (3.65974e-05)	1.63779e-04 (3.65974e-05)
204	1.67081e-03 (3.38610e-05)	1.67075e-03 (3.49175e-05)	1.67072e-03 (3.38630e-05)	1.67072e-03 (3.38630e-05)
304	1.17750e-04 (5.37443e-04)	1.17786e-04 (3.58237e-05)	1.17737e-04 (5.37564e-04)	1.17737e-04 (5.37564e-04)
404	2.21214e-02 (4.70968e-05)	2.21228e-02 (4.70934e-05)	2.21234e-02 (4.70909e-05)	2.21234e-02 (4.70909e-05)
504	1.19233e-03 (5.67266e-04)	1.19349e-03 (3.59801e-05)	1.19286e-03 (5.67222e-04)	1.19286e-03 (5.67222e-04)
604	1.13941e-04 (1.86415e-03)	1.14323e-04 (3.56448e-05)	1.13962e-04 (1.86484e-03)	1.13962e-04 (1.86484e-03)
704	7.49023e-06 (7.13430e-04)	7.49126e-06 (3.70321e-05)	7.48375e-06 (7.13656e-04)	7.48375e-06 (7.13656e-04)
804	7.33604e-06 (2.20360e-03)	7.34856e-06 (3.62145e-05)	7.32931e-06 (2.20520e-03)	7.32931e-06 (2.20520e-03)
904	2.13911e-05 (1.28732e-03)	2.13785e-05 (3.62562e-05)	2.13717e-05 (1.28791e-03)	2.13717e-05 (1.28791e-03)

Source Cell: 5, Alternate Approach: 1, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.78000e-04 (3.29130e-05)	1.77993e-04 (4.18572e-05)	1.78008e-04 (3.29088e-05)	1.78008e-04 (3.29088e-05)
204	1.67074e-03 (3.38657e-05)	1.67085e-03 (3.49129e-05)	1.67072e-03 (3.38608e-05)	1.67072e-03 (3.38608e-05)
304	2.55810e-04 (3.56048e-04)	2.55831e-04 (3.62332e-05)	2.55639e-04 (3.56181e-04)	2.55639e-04 (3.56181e-04)
404	1.19473e-03 (5.66845e-04)	1.19351e-03 (3.59838e-05)	1.19237e-03 (5.67333e-04)	1.19237e-03 (5.67333e-04)
504	2.21219e-02 (4.70919e-05)	2.21228e-02 (4.70959e-05)	2.21226e-02 (4.70965e-05)	2.21226e-02 (4.70965e-05)
604	2.39402e-04 (1.28409e-03)	2.39608e-04 (3.56787e-05)	2.39097e-04 (1.28473e-03)	2.39097e-04 (1.28473e-03)
704	7.64002e-06 (7.06146e-04)	7.63742e-06 (3.70352e-05)	7.64102e-06 (7.06217e-04)	7.64102e-06 (7.06217e-04)
804	7.49392e-06 (2.17924e-03)	7.48987e-06 (3.62080e-05)	7.50072e-06 (2.17920e-03)	7.50072e-06 (2.17920e-03)
904	2.49909e-05 (1.19041e-03)	2.50078e-05 (3.62622e-05)	2.50348e-05 (1.18938e-03)	2.50348e-05 (1.18938e-03)

Fairness Comparison Tables: Pure Absorber

Source Cell: 6, Alternate Approach: 1, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.68349e-04 (3.50615e-05)	1.68354e-04 (3.86019e-05)	1.68339e-04 (3.50644e-05)	1.68339e-04 (3.50644e-05)
204	1.66351e-04 (4.47500e-04)	1.66273e-04 (4.11994e-05)	1.66383e-04 (4.47452e-04)	1.66383e-04 (4.47452e-04)
304	1.79462e-03 (7.42720e-06)	1.79462e-03 (7.42763e-06)	1.79466e-03 (7.41594e-06)	1.79466e-03 (7.41594e-06)
404	1.14345e-04 (1.86129e-03)	1.14328e-04 (3.56453e-05)	1.14288e-04 (1.86245e-03)	1.14288e-04 (1.86245e-03)
504	2.39993e-04 (1.28233e-03)	2.39617e-04 (3.56777e-05)	2.39664e-04 (1.28337e-03)	2.39664e-04 (1.28337e-03)
604	2.21243e-02 (4.70891e-05)	2.21225e-02 (4.70890e-05)	2.21246e-02 (4.70865e-05)	2.21246e-02 (4.70865e-05)
704	7.56661e-06 (7.09745e-04)	7.57738e-06 (3.70282e-05)	7.57705e-06 (7.09335e-04)	7.57705e-06 (7.09335e-04)
804	7.44681e-06 (2.18759e-03)	7.43104e-06 (3.62151e-05)	7.44404e-06 (2.18696e-03)	7.44404e-06 (2.18696e-03)
904	3.20407e-05 (1.05027e-03)	3.20622e-05 (3.62805e-05)	3.20641e-05 (1.05020e-03)	3.20641e-05 (1.05020e-03)

Source Cell: 7, Alternate Approach: 1, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.19073e-05 (5.62460e-04)	1.18954e-05 (3.77487e-05)	1.18905e-05 (5.62880e-04)	1.18905e-05 (5.62880e-04)
204	1.13147e-05 (1.76559e-03)	1.12971e-05 (3.75506e-05)	1.12771e-05 (1.76892e-03)	1.12771e-05 (1.76892e-03)
304	1.13273e-05 (1.76429e-03)	1.12952e-05 (3.55675e-05)	1.12829e-05 (1.76761e-03)	1.12829e-05 (1.76761e-03)
404	1.10619e-05 (5.99003e-03)	1.10755e-05 (3.56200e-05)	1.11291e-05 (5.97515e-03)	1.11291e-05 (5.97515e-03)
504	1.14450e-05 (5.88607e-03)	1.13909e-05 (3.56136e-05)	1.13130e-05 (5.92623e-03)	1.13130e-05 (5.92623e-03)
604	1.12366e-05 (5.94727e-03)	1.12600e-05 (3.56149e-05)	1.12015e-05 (5.95493e-03)	1.12015e-05 (5.95493e-03)
704	2.18694e-04 (4.44162e-05)	2.18686e-04 (4.41639e-05)	2.18694e-04 (4.41647e-05)	2.18694e-04 (4.41647e-05)
804	2.06208e-04 (4.01884e-04)	2.06203e-04 (3.69127e-05)	2.06200e-04 (3.69089e-05)	2.06200e-04 (3.69089e-05)
904	5.99310e-05 (7.64391e-04)	6.00210e-05 (3.63725e-05)	6.00054e-05 (7.63903e-04)	6.00054e-05 (7.63903e-04)

Fairness Comparison Tables: Pure Absorber

Source Cell: 8, Alternate Approach: 1, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	8.61028e-06 (6.64583e-04)	8.60917e-06 (3.78308e-05)	8.60930e-06 (6.64667e-04)	8.60930e-06 (6.64667e-04)
204	8.27180e-06 (2.06563e-03)	8.28529e-06 (3.75908e-05)	8.28194e-06 (2.06551e-03)	8.28194e-06 (2.06551e-03)
304	8.27102e-06 (2.06471e-03)	8.28428e-06 (3.55602e-05)	8.28506e-06 (2.06251e-03)	8.28506e-06 (2.06251e-03)
404	8.16666e-06 (6.98390e-03)	8.16270e-06 (3.56152e-05)	8.09931e-06 (7.01232e-03)	8.09931e-06 (7.01232e-03)
504	8.44900e-06 (6.85804e-03)	8.33600e-06 (3.56169e-05)	8.41799e-06 (6.86339e-03)	8.41799e-06 (6.86339e-03)
604	8.18750e-06 (6.96389e-03)	8.26433e-06 (3.56166e-05)	8.26988e-06 (6.92944e-03)	8.26988e-06 (6.92944e-03)
704	1.91854e-04 (1.27255e-05)	1.91847e-04 (1.27389e-05)	1.91853e-04 (1.27238e-05)	1.91853e-04 (1.27238e-05)
804	1.93807e-03 (5.09435e-05)	1.93801e-03 (5.09462e-05)	1.93787e-03 (5.09535e-05)	1.93787e-03 (5.09535e-05)
904	3.40453e-05 (1.01864e-03)	3.40649e-05 (3.62962e-05)	3.40723e-05 (1.01820e-03)	3.40723e-05 (1.01820e-03)

Source Cell: 9, Alternate Approach: 1, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.02193e-05 (3.43198e-04)	3.02157e-05 (3.77513e-05)	3.02268e-05 (3.43171e-04)	3.02268e-05 (3.43171e-04)
204	2.38312e-05 (1.21244e-03)	2.38518e-05 (3.72870e-05)	2.38889e-05 (1.21118e-03)	2.38889e-05 (1.21118e-03)
304	3.03145e-05 (1.07487e-03)	3.03426e-05 (3.56119e-05)	3.03323e-05 (1.07459e-03)	3.03323e-05 (1.07459e-03)
404	2.22827e-05 (4.22231e-03)	2.20917e-05 (3.56155e-05)	2.23115e-05 (4.21766e-03)	2.23115e-05 (4.21766e-03)
504	2.52847e-05 (3.96559e-03)	2.52667e-05 (3.56147e-05)	2.53610e-05 (3.96022e-03)	2.53610e-05 (3.96022e-03)
604	3.01155e-05 (3.63292e-03)	3.01028e-05 (3.56241e-05)	3.01674e-05 (3.62711e-03)	3.01674e-05 (3.62711e-03)
704	3.00505e-05 (3.43865e-04)	3.00608e-05 (3.75274e-05)	3.00507e-05 (3.43834e-04)	3.00507e-05 (3.43834e-04)
804	2.78383e-05 (1.12740e-03)	2.79360e-05 (3.62671e-05)	2.79498e-05 (1.12521e-03)	2.79498e-05 (1.12521e-03)
904	2.16628e-03 (3.24366e-05)	2.16628e-03 (3.24372e-05)	2.16626e-03 (3.24372e-05)	2.16626e-03 (3.24372e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 0, Alternate Approach: 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.33158e-05 (3.25615e-04)	3.33308e-05 (3.76255e-05)	3.33434e-05 (3.25498e-04)	3.33434e-05 (3.25498e-04)
204	2.90895e-05 (1.09809e-03)	2.91011e-05 (3.73967e-05)	2.91162e-05 (1.09739e-03)	2.91162e-05 (1.09739e-03)
304	2.90260e-05 (1.09876e-03)	2.90865e-05 (3.56085e-05)	2.91266e-05 (1.09680e-03)	2.91266e-05 (1.09680e-03)
404	2.77921e-05 (3.77932e-03)	2.77362e-05 (3.56188e-05)	2.77163e-05 (3.78607e-03)	2.77163e-05 (3.78607e-03)
504	2.96223e-05 (3.66354e-03)	2.97039e-05 (3.56212e-05)	2.98095e-05 (3.65138e-03)	2.98095e-05 (3.65138e-03)
604	2.88519e-05 (3.70987e-03)	2.88672e-05 (3.56233e-05)	2.87470e-05 (3.71503e-03)	2.87470e-05 (3.71503e-03)
704	3.31295e-05 (3.25832e-04)	3.31121e-05 (3.76060e-05)	3.31181e-05 (3.25887e-04)	3.31181e-05 (3.25887e-04)
804	3.05217e-05 (1.07618e-03)	3.05397e-05 (3.62795e-05)	3.05583e-05 (1.07574e-03)	3.05583e-05 (1.07574e-03)
904	2.06176e-04 (4.01916e-04)	2.06197e-04 (3.69095e-05)	2.06123e-04 (4.01991e-04)	2.06123e-04 (4.01991e-04)

Source Cell: 1, Alternate Approach: 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.23215e-04 (4.39606e-05)	2.23224e-04 (4.31028e-05)	2.23212e-04 (4.39615e-05)	2.23212e-04 (4.39615e-05)
204	1.56191e-04 (4.63554e-04)	1.56059e-04 (3.73274e-05)	1.56086e-04 (4.63699e-04)	1.56086e-04 (4.63699e-04)
304	1.55704e-04 (4.64378e-04)	1.55855e-04 (3.59276e-05)	1.55796e-04 (4.64302e-04)	1.55796e-04 (4.64302e-04)
404	1.24552e-04 (1.78345e-03)	1.24550e-04 (3.56487e-05)	1.24459e-04 (1.78354e-03)	1.24459e-04 (1.78354e-03)
504	1.74025e-04 (1.50777e-03)	1.74231e-04 (3.56614e-05)	1.73952e-04 (1.50725e-03)	1.73952e-04 (1.50725e-03)
604	1.49326e-04 (1.62829e-03)	1.49822e-04 (3.56543e-05)	1.49877e-04 (1.62554e-03)	1.49877e-04 (1.62554e-03)
704	1.18699e-05 (5.63046e-04)	1.18632e-05 (3.71079e-05)	1.18811e-05 (5.62725e-04)	1.18811e-05 (5.62725e-04)
804	1.15455e-05 (1.75600e-03)	1.15174e-05 (3.62269e-05)	1.15215e-05 (1.75731e-03)	1.15215e-05 (1.75731e-03)
904	6.00421e-05 (7.63799e-04)	6.00152e-05 (3.63836e-05)	5.99840e-05 (7.63974e-04)	5.99840e-05 (7.63974e-04)

Fairness Comparison Tables: Pure Absorber

Source Cell: 2, Alternate Approach: 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80107e-04 (3.33618e-05)	1.80102e-04 (4.28903e-05)	1.80110e-04 (3.62700e-05)	1.80110e-04 (3.62700e-05)
204	1.97741e-03 (4.82783e-05)	1.97724e-03 (4.69483e-05)	1.97728e-03 (4.82802e-05)	1.97728e-03 (4.82802e-05)
304	1.52214e-04 (4.70005e-04)	1.52157e-04 (3.59181e-05)	1.52151e-04 (3.51326e-05)	1.52151e-04 (3.51326e-05)
404	1.25172e-03 (5.53194e-04)	1.25052e-03 (3.60022e-05)	1.25078e-03 (5.53481e-04)	1.25078e-03 (5.53481e-04)
504	1.25085e-03 (5.53401e-04)	1.25050e-03 (3.60010e-05)	1.24991e-03 (5.53567e-04)	1.24991e-03 (5.53567e-04)
604	1.46427e-04 (1.64416e-03)	1.46402e-04 (3.56545e-05)	1.46382e-04 (3.49517e-04)	1.46382e-04 (3.49517e-04)
704	8.46482e-06 (6.70079e-04)	8.46470e-06 (3.70415e-05)	8.46197e-06 (6.70281e-04)	8.46197e-06 (6.70281e-04)
804	8.27382e-06 (2.07533e-03)	8.28331e-06 (3.62160e-05)	8.28055e-06 (2.07419e-03)	8.28055e-06 (2.07419e-03)
904	2.70518e-05 (1.14401e-03)	2.70632e-05 (3.62736e-05)	2.70058e-05 (1.14481e-03)	2.70058e-05 (1.14481e-03)

Source Cell: 3, Alternate Approach: 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80120e-04 (3.33603e-05)	1.80104e-04 (4.15707e-05)	1.80108e-04 (3.62754e-05)	1.80108e-04 (3.62754e-05)
204	1.51515e-04 (4.69381e-04)	1.51612e-04 (4.01642e-05)	1.51627e-04 (3.45285e-05)	1.51627e-04 (3.45285e-05)
304	1.94527e-03 (4.84184e-05)	1.94521e-03 (4.73245e-05)	1.94515e-03 (4.84218e-05)	1.94515e-03 (4.84218e-05)
404	1.07016e-04 (1.92400e-03)	1.07116e-04 (3.56452e-05)	1.07132e-04 (4.13087e-04)	1.07132e-04 (4.13087e-04)
504	2.10011e-04 (1.37174e-03)	2.10304e-04 (3.56735e-05)	2.10292e-04 (2.86296e-04)	2.10292e-04 (2.86296e-04)
604	1.67883e-03 (4.74534e-04)	1.67764e-03 (3.61423e-05)	1.67779e-03 (4.74753e-04)	1.67779e-03 (4.74753e-04)
704	8.45751e-06 (6.70440e-04)	8.46408e-06 (3.70485e-05)	8.46713e-06 (6.70020e-04)	8.46713e-06 (6.70020e-04)
804	8.27668e-06 (2.07435e-03)	8.28277e-06 (3.62211e-05)	8.26718e-06 (2.07482e-03)	8.26718e-06 (2.07482e-03)
904	3.98766e-05 (9.40164e-04)	3.98949e-05 (3.63135e-05)	3.99676e-05 (9.39309e-04)	3.99676e-05 (9.39309e-04)

Fairness Comparison Tables: Pure Absorber

Source Cell: 4, Alternate Approach: 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.63791e-04 (3.65914e-05)	1.63784e-04 (4.05361e-05)	1.63786e-04 (4.01207e-05)	1.63786e-04 (4.01207e-05)
204	1.67081e-03 (3.38610e-05)	1.67075e-03 (3.49175e-05)	1.67078e-03 (3.49125e-05)	1.67078e-03 (3.49125e-05)
304	1.17750e-04 (5.37443e-04)	1.17786e-04 (3.58237e-05)	1.17807e-04 (2.48198e-04)	1.17807e-04 (2.48198e-04)
404	2.21214e-02 (4.70968e-05)	2.21228e-02 (4.70934e-05)	2.21232e-02 (4.70936e-05)	2.21232e-02 (4.70936e-05)
504	1.19233e-03 (5.67266e-04)	1.19349e-03 (3.59801e-05)	1.19363e-03 (3.59744e-05)	1.19363e-03 (3.59744e-05)
604	1.13941e-04 (1.86415e-03)	1.14323e-04 (3.56448e-05)	1.14327e-04 (3.29290e-04)	1.14327e-04 (3.29290e-04)
704	7.49023e-06 (7.13430e-04)	7.49126e-06 (3.70321e-05)	7.49151e-06 (7.13356e-04)	7.49151e-06 (7.13356e-04)
804	7.33604e-06 (2.20360e-03)	7.34856e-06 (3.62145e-05)	7.32382e-06 (2.20530e-03)	7.32382e-06 (2.20530e-03)
904	2.13911e-05 (1.28732e-03)	2.13785e-05 (3.62562e-05)	2.14484e-05 (1.28585e-03)	2.14484e-05 (1.28585e-03)

Source Cell: 5, Alternate Approach: 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.78000e-04 (3.29130e-05)	1.77993e-04 (4.18572e-05)	1.77992e-04 (3.65585e-05)	1.77992e-04 (3.65585e-05)
204	1.67074e-03 (3.38657e-05)	1.67085e-03 (3.49129e-05)	1.67080e-03 (3.49153e-05)	1.67080e-03 (3.49153e-05)
304	2.55810e-04 (3.56048e-04)	2.55831e-04 (3.62332e-05)	2.55711e-04 (3.56104e-04)	2.55711e-04 (3.56104e-04)
404	1.19473e-03 (5.66845e-04)	1.19351e-03 (3.59838e-05)	1.19348e-03 (3.59825e-05)	1.19348e-03 (3.59825e-05)
504	2.21219e-02 (4.70919e-05)	2.21228e-02 (4.70959e-05)	2.21231e-02 (4.70920e-05)	2.21231e-02 (4.70920e-05)
604	2.39402e-04 (1.28409e-03)	2.39608e-04 (3.56787e-05)	2.39858e-04 (1.28307e-03)	2.39858e-04 (1.28307e-03)
704	7.64002e-06 (7.06146e-04)	7.63742e-06 (3.70352e-05)	7.63746e-06 (7.06278e-04)	7.63746e-06 (7.06278e-04)
804	7.49392e-06 (2.17924e-03)	7.48987e-06 (3.62080e-05)	7.48584e-06 (2.18298e-03)	7.48584e-06 (2.18298e-03)
904	2.49909e-05 (1.19041e-03)	2.50078e-05 (3.62622e-05)	2.49961e-05 (1.19041e-03)	2.49961e-05 (1.19041e-03)

Fairness Comparison Tables: Pure Absorber

Source Cell: 6, Alternate Approach: 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.68349e-04 (3.50615e-05)	1.68354e-04 (3.86019e-05)	1.68359e-04 (3.50641e-05)	1.68359e-04 (3.50641e-05)
204	1.66351e-04 (4.47500e-04)	1.66273e-04 (4.11994e-05)	1.66233e-04 (4.47627e-04)	1.66233e-04 (4.47627e-04)
304	1.79462e-03 (7.42720e-06)	1.79462e-03 (7.42763e-06)	1.79460e-03 (7.43118e-06)	1.79460e-03 (7.43118e-06)
404	1.14345e-04 (1.86129e-03)	1.14328e-04 (3.56453e-05)	1.14293e-04 (1.86154e-03)	1.14293e-04 (1.86154e-03)
504	2.39993e-04 (1.28233e-03)	2.39617e-04 (3.56777e-05)	2.39656e-04 (1.28343e-03)	2.39656e-04 (1.28343e-03)
604	2.21243e-02 (4.70891e-05)	2.21225e-02 (4.70890e-05)	2.21218e-02 (4.70956e-05)	2.21218e-02 (4.70956e-05)
704	7.56661e-06 (7.09745e-04)	7.57738e-06 (3.70282e-05)	7.57430e-06 (7.09386e-04)	7.57430e-06 (7.09386e-04)
804	7.44681e-06 (2.18759e-03)	7.43104e-06 (3.62151e-05)	7.45417e-06 (2.18544e-03)	7.45417e-06 (2.18544e-03)
904	3.20407e-05 (1.05027e-03)	3.20622e-05 (3.62805e-05)	3.20102e-05 (1.05061e-03)	3.20102e-05 (1.05061e-03)

Source Cell: 7, Alternate Approach: 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.19073e-05 (5.62460e-04)	1.18954e-05 (3.77487e-05)	1.18905e-05 (5.62919e-04)	1.18905e-05 (5.62919e-04)
204	1.13147e-05 (1.76559e-03)	1.12971e-05 (3.75506e-05)	1.12908e-05 (1.76748e-03)	1.12908e-05 (1.76748e-03)
304	1.13273e-05 (1.76429e-03)	1.12952e-05 (3.55675e-05)	1.12679e-05 (1.76921e-03)	1.12679e-05 (1.76921e-03)
404	1.10619e-05 (5.99003e-03)	1.10755e-05 (3.56200e-05)	1.10556e-05 (5.99029e-03)	1.10556e-05 (5.99029e-03)
504	1.14450e-05 (5.88607e-03)	1.13909e-05 (3.56136e-05)	1.14340e-05 (5.89972e-03)	1.14340e-05 (5.89972e-03)
604	1.12366e-05 (5.94727e-03)	1.12600e-05 (3.56149e-05)	1.12349e-05 (5.94160e-03)	1.12349e-05 (5.94160e-03)
704	2.18694e-04 (4.44162e-05)	2.18686e-04 (4.41639e-05)	2.18672e-04 (4.44227e-05)	2.18672e-04 (4.44227e-05)
804	2.06208e-04 (4.01884e-04)	2.06203e-04 (3.69127e-05)	2.06090e-04 (4.02004e-04)	2.06090e-04 (4.02004e-04)
904	5.99310e-05 (7.64391e-04)	6.00210e-05 (3.63725e-05)	6.00427e-05 (7.63742e-04)	6.00427e-05 (7.63742e-04)

Fairness Comparison Tables: Pure Absorber

Source Cell: 8, Alternate Approach: 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	8.61028e-06 (6.64583e-04)	8.60917e-06 (3.78308e-05)	8.61153e-06 (6.64606e-04)	8.61153e-06 (6.64606e-04)
204	8.27180e-06 (2.06563e-03)	8.28529e-06 (3.75908e-05)	8.29208e-06 (2.06359e-03)	8.29208e-06 (2.06359e-03)
304	8.27102e-06 (2.06471e-03)	8.28428e-06 (3.55602e-05)	8.30249e-06 (2.06136e-03)	8.30249e-06 (2.06136e-03)
404	8.16666e-06 (6.98390e-03)	8.16270e-06 (3.56152e-05)	8.20559e-06 (6.96169e-03)	8.20559e-06 (6.96169e-03)
504	8.44900e-06 (6.85804e-03)	8.33600e-06 (3.56169e-05)	8.33048e-06 (6.90962e-03)	8.33048e-06 (6.90962e-03)
604	8.18750e-06 (6.96389e-03)	8.26433e-06 (3.56166e-05)	8.29537e-06 (6.92019e-03)	8.29537e-06 (6.92019e-03)
704	1.91854e-04 (1.27255e-05)	1.91847e-04 (1.27389e-05)	1.91852e-04 (1.27289e-05)	1.91852e-04 (1.27289e-05)
804	1.93807e-03 (5.09435e-05)	1.93801e-03 (5.09462e-05)	1.93807e-03 (5.09464e-05)	1.93807e-03 (5.09464e-05)
904	3.40453e-05 (1.01864e-03)	3.40649e-05 (3.62962e-05)	3.40992e-05 (1.01793e-03)	3.40992e-05 (1.01793e-03)

Source Cell: 9, Alternate Approach: 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.02193e-05 (3.43198e-04)	3.02157e-05 (3.77513e-05)	3.02082e-05 (3.43266e-04)	3.02082e-05 (3.43266e-04)
204	2.38312e-05 (1.21244e-03)	2.38518e-05 (3.72870e-05)	2.38337e-05 (1.21236e-03)	2.38337e-05 (1.21236e-03)
304	3.03145e-05 (1.07487e-03)	3.03426e-05 (3.56119e-05)	3.03634e-05 (1.07401e-03)	3.03634e-05 (1.07401e-03)
404	2.22827e-05 (4.22231e-03)	2.20917e-05 (3.56155e-05)	2.20253e-05 (4.24589e-03)	2.20253e-05 (4.24589e-03)
504	2.52847e-05 (3.96559e-03)	2.52667e-05 (3.56147e-05)	2.51458e-05 (3.97303e-03)	2.51458e-05 (3.97303e-03)
604	3.01155e-05 (3.63292e-03)	3.01028e-05 (3.56241e-05)	2.98995e-05 (3.64309e-03)	2.98995e-05 (3.64309e-03)
704	3.00505e-05 (3.43865e-04)	3.00608e-05 (3.75274e-05)	3.00605e-05 (3.43794e-04)	3.00605e-05 (3.43794e-04)
804	2.78383e-05 (1.12740e-03)	2.79360e-05 (3.62671e-05)	2.79769e-05 (1.12468e-03)	2.79769e-05 (1.12468e-03)
904	2.16628e-03 (3.24366e-05)	2.16628e-03 (3.24372e-05)	2.16639e-03 (3.24376e-05)	2.16639e-03 (3.24376e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 0, Alternate Approach: 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.33158e-05 (3.25615e-04)	3.33308e-05 (3.76255e-05)	3.33241e-05 (3.25572e-04)	3.33241e-05 (3.25572e-04)
204	2.90895e-05 (1.09809e-03)	2.91011e-05 (3.73967e-05)	2.90940e-05 (1.09805e-03)	2.90940e-05 (1.09805e-03)
304	2.90260e-05 (1.09876e-03)	2.90865e-05 (3.56085e-05)	2.91149e-05 (1.09708e-03)	2.91149e-05 (1.09708e-03)
404	2.77921e-05 (3.77932e-03)	2.77362e-05 (3.56188e-05)	2.78267e-05 (3.78015e-03)	2.78267e-05 (3.78015e-03)
504	2.96223e-05 (3.66354e-03)	2.97039e-05 (3.56212e-05)	2.97112e-05 (3.65456e-03)	2.97112e-05 (3.65456e-03)
604	2.88519e-05 (3.70987e-03)	2.88672e-05 (3.56233e-05)	2.89486e-05 (3.70448e-03)	2.89486e-05 (3.70448e-03)
704	3.31295e-05 (3.25832e-04)	3.31121e-05 (3.76060e-05)	3.31145e-05 (3.25930e-04)	3.31145e-05 (3.25930e-04)
804	3.05217e-05 (1.07618e-03)	3.05397e-05 (3.62795e-05)	3.05686e-05 (1.07582e-03)	3.05686e-05 (1.07582e-03)
904	2.06176e-04 (4.01916e-04)	2.06197e-04 (3.69095e-05)	2.06183e-04 (4.01902e-04)	2.06183e-04 (4.01902e-04)

Source Cell: 1, Alternate Approach: 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.23215e-04 (4.39606e-05)	2.23224e-04 (4.31028e-05)	2.23217e-04 (4.39602e-05)	2.23217e-04 (4.39602e-05)
204	1.56191e-04 (4.63554e-04)	1.56059e-04 (3.73274e-05)	1.56184e-04 (4.63520e-04)	1.56184e-04 (4.63520e-04)
304	1.55704e-04 (4.64378e-04)	1.55855e-04 (3.59276e-05)	1.55972e-04 (4.64034e-04)	1.55972e-04 (4.64034e-04)
404	1.24552e-04 (1.78345e-03)	1.24550e-04 (3.56487e-05)	1.24938e-04 (1.78079e-03)	1.24938e-04 (1.78079e-03)
504	1.74025e-04 (1.50777e-03)	1.74231e-04 (3.56614e-05)	1.74345e-04 (1.50671e-03)	1.74345e-04 (1.50671e-03)
604	1.49326e-04 (1.62829e-03)	1.49822e-04 (3.56543e-05)	1.50014e-04 (1.62467e-03)	1.50014e-04 (1.62467e-03)
704	1.18699e-05 (5.63046e-04)	1.18632e-05 (3.71079e-05)	1.18628e-05 (3.61172e-05)	1.18628e-05 (3.61172e-05)
804	1.15455e-05 (1.75600e-03)	1.15174e-05 (3.62269e-05)	1.15080e-05 (3.12419e-04)	1.15080e-05 (3.12419e-04)
904	6.00421e-05 (7.63799e-04)	6.00152e-05 (3.63836e-05)	6.00194e-05 (3.63773e-05)	6.00194e-05 (3.63773e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 2, Alternate Approach: 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80107e-04 (3.33618e-05)	1.80102e-04 (4.28903e-05)	1.80104e-04 (3.33632e-05)	1.80104e-04 (3.33632e-05)
204	1.97741e-03 (4.82783e-05)	1.97724e-03 (4.69483e-05)	1.97725e-03 (4.82829e-05)	1.97725e-03 (4.82829e-05)
304	1.52214e-04 (4.70005e-04)	1.52157e-04 (3.59181e-05)	1.52239e-04 (4.69971e-04)	1.52239e-04 (4.69971e-04)
404	1.25172e-03 (5.53194e-04)	1.25052e-03 (3.60022e-05)	1.25013e-03 (5.53528e-04)	1.25013e-03 (5.53528e-04)
504	1.25085e-03 (5.53401e-04)	1.25050e-03 (3.60010e-05)	1.24967e-03 (5.53621e-04)	1.24967e-03 (5.53621e-04)
604	1.46427e-04 (1.64416e-03)	1.46402e-04 (3.56545e-05)	1.46330e-04 (1.64429e-03)	1.46330e-04 (1.64429e-03)
704	8.46482e-06 (6.70079e-04)	8.46470e-06 (3.70415e-05)	8.46364e-06 (3.60217e-05)	8.46364e-06 (3.60217e-05)
804	8.27382e-06 (2.07533e-03)	8.28331e-06 (3.62160e-05)	8.28141e-06 (3.10720e-04)	8.28141e-06 (3.10720e-04)
904	2.70518e-05 (1.14401e-03)	2.70632e-05 (3.62736e-05)	2.70619e-05 (3.62725e-05)	2.70619e-05 (3.62725e-05)

Source Cell: 3, Alternate Approach: 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80120e-04 (3.33603e-05)	1.80104e-04 (4.15707e-05)	1.80118e-04 (3.33634e-05)	1.80118e-04 (3.33634e-05)
204	1.51515e-04 (4.69381e-04)	1.51612e-04 (4.01642e-05)	1.51512e-04 (4.69347e-04)	1.51512e-04 (4.69347e-04)
304	1.94527e-03 (4.84184e-05)	1.94521e-03 (4.73245e-05)	1.94523e-03 (4.84190e-05)	1.94523e-03 (4.84190e-05)
404	1.07016e-04 (1.92400e-03)	1.07116e-04 (3.56452e-05)	1.07340e-04 (1.92182e-03)	1.07340e-04 (1.92182e-03)
504	2.10011e-04 (1.37174e-03)	2.10304e-04 (3.56735e-05)	2.10276e-04 (1.37098e-03)	2.10276e-04 (1.37098e-03)
604	1.67883e-03 (4.74534e-04)	1.67764e-03 (3.61423e-05)	1.67785e-03 (4.74704e-04)	1.67785e-03 (4.74704e-04)
704	8.45751e-06 (6.70440e-04)	8.46408e-06 (3.70485e-05)	8.46420e-06 (3.60187e-05)	8.46420e-06 (3.60187e-05)
804	8.27668e-06 (2.07435e-03)	8.28277e-06 (3.62211e-05)	8.28733e-06 (3.10595e-04)	8.28733e-06 (3.10595e-04)
904	3.98766e-05 (9.40164e-04)	3.98949e-05 (3.63135e-05)	3.98955e-05 (3.63153e-05)	3.98955e-05 (3.63153e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 4, Alternate Approach: 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.63791e-04 (3.65914e-05)	1.63784e-04 (4.05361e-05)	1.63794e-04 (3.65930e-05)	1.63794e-04 (3.65930e-05)
204	1.67081e-03 (3.38610e-05)	1.67075e-03 (3.49175e-05)	1.67085e-03 (3.38614e-05)	1.67085e-03 (3.38614e-05)
304	1.17750e-04 (5.37443e-04)	1.17786e-04 (3.58237e-05)	1.17908e-04 (5.37162e-04)	1.17908e-04 (5.37162e-04)
404	2.21214e-02 (4.70968e-05)	2.21228e-02 (4.70934e-05)	2.21230e-02 (4.70934e-05)	2.21230e-02 (4.70934e-05)
504	1.19233e-03 (5.67266e-04)	1.19349e-03 (3.59801e-05)	1.19404e-03 (5.66904e-04)	1.19404e-03 (5.66904e-04)
604	1.13941e-04 (1.86415e-03)	1.14323e-04 (3.56448e-05)	1.14343e-04 (1.86130e-03)	1.14343e-04 (1.86130e-03)
704	7.49023e-06 (7.13430e-04)	7.49126e-06 (3.70321e-05)	7.49088e-06 (3.59962e-05)	7.49088e-06 (3.59962e-05)
804	7.33604e-06 (2.20360e-03)	7.34856e-06 (3.62145e-05)	7.34317e-06 (3.10347e-04)	7.34317e-06 (3.10347e-04)
904	2.13911e-05 (1.28732e-03)	2.13785e-05 (3.62562e-05)	2.13774e-05 (3.62543e-05)	2.13774e-05 (3.62543e-05)

Source Cell: 5, Alternate Approach: 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.78000e-04 (3.29130e-05)	1.77993e-04 (4.18572e-05)	1.78003e-04 (3.29094e-05)	1.78003e-04 (3.29094e-05)
204	1.67074e-03 (3.38657e-05)	1.67085e-03 (3.49129e-05)	1.67068e-03 (3.38629e-05)	1.67068e-03 (3.38629e-05)
304	2.55810e-04 (3.56048e-04)	2.55831e-04 (3.62332e-05)	2.55917e-04 (3.55985e-04)	2.55917e-04 (3.55985e-04)
404	1.19473e-03 (5.66845e-04)	1.19351e-03 (3.59838e-05)	1.19205e-03 (5.67416e-04)	1.19205e-03 (5.67416e-04)
504	2.21219e-02 (4.70919e-05)	2.21228e-02 (4.70959e-05)	2.21238e-02 (4.70940e-05)	2.21238e-02 (4.70940e-05)
604	2.39402e-04 (1.28409e-03)	2.39608e-04 (3.56787e-05)	2.39604e-04 (1.28354e-03)	2.39604e-04 (1.28354e-03)
704	7.64002e-06 (7.06146e-04)	7.63742e-06 (3.70352e-05)	7.63789e-06 (3.59932e-05)	7.63789e-06 (3.59932e-05)
804	7.49392e-06 (2.17924e-03)	7.48987e-06 (3.62080e-05)	7.49027e-06 (3.10264e-04)	7.49027e-06 (3.10264e-04)
904	2.49909e-05 (1.19041e-03)	2.50078e-05 (3.62622e-05)	2.50079e-05 (3.62618e-05)	2.50079e-05 (3.62618e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 6, Alternate Approach: 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.68349e-04 (3.50615e-05)	1.68354e-04 (3.86019e-05)	1.68351e-04 (3.50641e-05)	1.68351e-04 (3.50641e-05)
204	1.66351e-04 (4.47500e-04)	1.66273e-04 (4.11994e-05)	1.66128e-04 (4.47757e-04)	1.66128e-04 (4.47757e-04)
304	1.79462e-03 (7.42720e-06)	1.79462e-03 (7.42763e-06)	1.79463e-03 (7.42288e-06)	1.79463e-03 (7.42288e-06)
404	1.14345e-04 (1.86129e-03)	1.14328e-04 (3.56453e-05)	1.14521e-04 (1.86024e-03)	1.14521e-04 (1.86024e-03)
504	2.39993e-04 (1.28233e-03)	2.39617e-04 (3.56777e-05)	2.39770e-04 (1.28344e-03)	2.39770e-04 (1.28344e-03)
604	2.21243e-02 (4.70891e-05)	2.21225e-02 (4.70890e-05)	2.21217e-02 (4.70919e-05)	2.21217e-02 (4.70919e-05)
704	7.56661e-06 (7.09745e-04)	7.57738e-06 (3.70282e-05)	7.57767e-06 (3.59876e-05)	7.57767e-06 (3.59876e-05)
804	7.44681e-06 (2.18759e-03)	7.43104e-06 (3.62151e-05)	7.43215e-06 (3.10214e-04)	7.43215e-06 (3.10214e-04)
904	3.20407e-05 (1.05027e-03)	3.20622e-05 (3.62805e-05)	3.20606e-05 (3.62870e-05)	3.20606e-05 (3.62870e-05)

Source Cell: 7, Alternate Approach: 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.19073e-05 (5.62460e-04)	1.18954e-05 (3.77487e-05)	1.18955e-05 (3.58832e-05)	1.18955e-05 (3.58832e-05)
204	1.13147e-05 (1.76559e-03)	1.12971e-05 (3.75506e-05)	1.12943e-05 (3.13974e-04)	1.12943e-05 (3.13974e-04)
304	1.13273e-05 (1.76429e-03)	1.12952e-05 (3.55675e-05)	1.12966e-05 (3.13702e-04)	1.12966e-05 (3.13702e-04)
404	1.10619e-05 (5.99003e-03)	1.10755e-05 (3.56200e-05)	1.10509e-05 (1.11162e-03)	1.10509e-05 (1.11162e-03)
504	1.14450e-05 (5.88607e-03)	1.13909e-05 (3.56136e-05)	1.13917e-05 (1.09564e-03)	1.13917e-05 (1.09564e-03)
604	1.12366e-05 (5.94727e-03)	1.12600e-05 (3.56149e-05)	1.12748e-05 (1.10127e-03)	1.12748e-05 (1.10127e-03)
704	2.18694e-04 (4.44162e-05)	2.18686e-04 (4.41639e-05)	2.18682e-04 (4.44218e-05)	2.18682e-04 (4.44218e-05)
804	2.06208e-04 (4.01884e-04)	2.06203e-04 (3.69127e-05)	2.06086e-04 (4.02008e-04)	2.06086e-04 (4.02008e-04)
904	5.99310e-05 (7.64391e-04)	6.00210e-05 (3.63725e-05)	6.00177e-05 (3.63811e-05)	6.00177e-05 (3.63811e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 8, Alternate Approach: 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	8.61028e-06 (6.64583e-04)	8.60917e-06 (3.78308e-05)	8.60885e-06 (3.58115e-05)	8.60885e-06 (3.58115e-05)
204	8.27180e-06 (2.06563e-03)	8.28529e-06 (3.75908e-05)	8.28730e-06 (3.11434e-04)	8.28730e-06 (3.11434e-04)
304	8.27102e-06 (2.06471e-03)	8.28428e-06 (3.55602e-05)	8.28622e-06 (3.11215e-04)	8.28622e-06 (3.11215e-04)
404	8.16666e-06 (6.98390e-03)	8.16270e-06 (3.56152e-05)	8.16756e-06 (1.09916e-03)	8.16756e-06 (1.09916e-03)
504	8.44900e-06 (6.85804e-03)	8.33600e-06 (3.56169e-05)	8.33577e-06 (1.08913e-03)	8.33577e-06 (1.08913e-03)
604	8.18750e-06 (6.96389e-03)	8.26433e-06 (3.56166e-05)	8.26568e-06 (1.09317e-03)	8.26568e-06 (1.09317e-03)
704	1.91854e-04 (1.27255e-05)	1.91847e-04 (1.27389e-05)	1.91853e-04 (1.27270e-05)	1.91853e-04 (1.27270e-05)
804	1.93807e-03 (5.09435e-05)	1.93801e-03 (5.09462e-05)	1.93782e-03 (5.09499e-05)	1.93782e-03 (5.09499e-05)
904	3.40453e-05 (1.01864e-03)	3.40649e-05 (3.62962e-05)	3.40662e-05 (3.62896e-05)	3.40662e-05 (3.62896e-05)

Source Cell: 9, Alternate Approach: 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.02193e-05 (3.43198e-04)	3.02157e-05 (3.77513e-05)	3.02141e-05 (3.62385e-05)	3.02141e-05 (3.62385e-05)
204	2.38312e-05 (1.21244e-03)	2.38518e-05 (3.72870e-05)	2.38527e-05 (3.48215e-04)	2.38527e-05 (3.48215e-04)
304	3.03145e-05 (1.07487e-03)	3.03426e-05 (3.56119e-05)	3.03420e-05 (3.05374e-04)	3.03420e-05 (3.05374e-04)
404	2.22827e-05 (4.22231e-03)	2.20917e-05 (3.56155e-05)	2.20858e-05 (1.25994e-03)	2.20858e-05 (1.25994e-03)
504	2.52847e-05 (3.96559e-03)	2.52667e-05 (3.56147e-05)	2.52887e-05 (1.17704e-03)	2.52887e-05 (1.17704e-03)
604	3.01155e-05 (3.63292e-03)	3.01028e-05 (3.56241e-05)	3.00877e-05 (1.07803e-03)	3.00877e-05 (1.07803e-03)
704	3.00505e-05 (3.43865e-04)	3.00608e-05 (3.75274e-05)	3.00635e-05 (3.67109e-05)	3.00635e-05 (3.67109e-05)
804	2.78383e-05 (1.12740e-03)	2.79360e-05 (3.62671e-05)	2.79258e-05 (3.21586e-04)	2.79258e-05 (3.21586e-04)
904	2.16628e-03 (3.24366e-05)	2.16628e-03 (3.24372e-05)	2.16629e-03 (3.24349e-05)	2.16629e-03 (3.24349e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 0, Alternate Approach: 1 & 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.33158e-05 (3.25615e-04)	3.33308e-05 (3.76255e-05)	3.33311e-05 (3.64963e-05)	3.33311e-05 (3.64963e-05)
204	2.90895e-05 (1.09809e-03)	2.91011e-05 (3.73967e-05)	2.90875e-05 (3.30205e-04)	2.90875e-05 (3.30205e-04)
304	2.90260e-05 (1.09876e-03)	2.90865e-05 (3.56085e-05)	2.90895e-05 (3.29977e-04)	2.90895e-05 (3.29977e-04)
404	2.77921e-05 (3.77932e-03)	2.77362e-05 (3.56188e-05)	2.77527e-05 (1.18002e-03)	2.77527e-05 (1.18002e-03)
504	2.96223e-05 (3.66354e-03)	2.97039e-05 (3.56212e-05)	2.96215e-05 (1.14235e-03)	2.96215e-05 (1.14235e-03)
604	2.88519e-05 (3.70987e-03)	2.88672e-05 (3.56233e-05)	2.88435e-05 (1.15733e-03)	2.88435e-05 (1.15733e-03)
704	3.31295e-05 (3.25832e-04)	3.31121e-05 (3.76060e-05)	3.31118e-05 (3.68285e-03)	3.31118e-05 (3.68285e-05)
804	3.05217e-05 (1.07618e-03)	3.05397e-05 (3.62795e-05)	3.05460e-05 (3.23143e-04)	3.05460e-05 (3.23143e-04)
904	2.06176e-04 (4.01916e-04)	2.06197e-04 (3.69095e-05)	2.06192e-04 (3.69112e-05)	2.06192e-04 (3.69112e-05)

Source Cell: 1, Alternate Approach: 1 & 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.23215e-04 (4.39606e-05)	2.23224e-04 (4.31028e-05)	2.23215e-04 (4.30682e-05)	2.23215e-04 (4.30682e-05)
204	1.56191e-04 (4.63554e-04)	1.56059e-04 (3.73274e-05)	1.56049e-04 (3.48271e-05)	1.56049e-04 (3.48271e-05)
304	1.55704e-04 (4.64378e-04)	1.55855e-04 (3.59276e-05)	1.55854e-04 (3.51422e-05)	1.55854e-04 (3.51422e-05)
404	1.24552e-04 (1.78345e-03)	1.24550e-04 (3.56487e-05)	1.24527e-04 (3.86192e-04)	1.24527e-04 (3.86192e-04)
504	1.74025e-04 (1.50777e-03)	1.74231e-04 (3.56614e-05)	1.74278e-04 (3.21990e-04)	1.74278e-04 (3.21990e-04)
604	1.49326e-04 (1.62829e-03)	1.49822e-04 (3.56543e-05)	1.49876e-04 (3.49648e-04)	1.49876e-04 (3.49648e-04)
704	1.18699e-05 (5.63046e-04)	1.18632e-05 (3.71079e-05)	1.18567e-05 (5.63282e-04)	1.18567e-05 (5.63282e-04)
804	1.15455e-05 (1.75600e-03)	1.15174e-05 (3.62269e-05)	1.15307e-05 (1.75710e-03)	1.15307e-05 (1.75710e-03)
904	6.00421e-05 (7.63799e-04)	6.00152e-05 (3.63836e-05)	6.00127e-05 (7.63947e-04)	6.00127e-05 (7.63947e-04)

Fairness Comparison Tables: Pure Absorber

Source Cell: 2, Alternate Approach: 1 & 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80107e-04 (3.33618e-05)	1.80102e-04 (4.28903e-05)	1.80113e-04 (4.28819e-05)	1.80113e-04 (4.28819e-05)
204	1.97741e-03 (4.82783e-05)	1.97724e-03 (4.69483e-05)	1.97714e-03 (4.69456e-05)	1.97714e-03 (4.69456e-05)
304	1.52214e-04 (4.70005e-04)	1.52157e-04 (3.59181e-05)	1.52164e-04 (3.51269e-05)	1.52164e-04 (3.51269e-05)
404	1.25172e-03 (5.53194e-04)	1.25052e-03 (3.60022e-05)	1.25050e-03 (3.60045e-05)	1.25050e-03 (3.60045e-05)
504	1.25085e-03 (5.53401e-04)	1.25050e-03 (3.60010e-05)	1.25049e-03 (3.60002e-05)	1.25049e-03 (3.60002e-05)
604	1.46427e-04 (1.64416e-03)	1.46402e-04 (3.56545e-05)	1.46487e-04 (3.49408e-04)	1.46487e-04 (3.49408e-04)
704	8.46482e-06 (6.70079e-04)	8.46470e-06 (3.70415e-05)	8.46727e-06 (6.70049e-04)	8.46727e-06 (6.70049e-04)
804	8.27382e-06 (2.07533e-03)	8.28331e-06 (3.62160e-05)	8.27613e-06 (2.07472e-03)	8.27613e-06 (2.07472e-03)
904	2.70518e-05 (1.14401e-03)	2.70632e-05 (3.62736e-05)	2.70593e-05 (1.14383e-03)	2.70593e-05 (1.14383e-03)

Source Cell: 3, Alternate Approach: 1 & 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80120e-04 (3.33603e-05)	1.80104e-04 (4.15707e-05)	1.80113e-04 (4.15497e-05)	1.80113e-04 (4.15497e-05)
204	1.51515e-04 (4.69381e-04)	1.51612e-04 (4.01642e-05)	1.51620e-04 (3.45303e-05)	1.51620e-04 (3.45303e-05)
304	1.94527e-03 (4.84184e-05)	1.94521e-03 (4.73245e-05)	1.94523e-03 (4.73231e-05)	1.94523e-03 (4.73231e-05)
404	1.07016e-04 (1.92400e-03)	1.07116e-04 (3.56452e-05)	1.07172e-04 (4.12989e-04)	1.07172e-04 (4.12989e-04)
504	2.10011e-04 (1.37174e-03)	2.10304e-04 (3.56735e-05)	2.10398e-04 (2.86225e-04)	2.10398e-04 (2.86225e-04)
604	1.67883e-03 (4.74534e-04)	1.67764e-03 (3.61423e-05)	1.67759e-03 (3.61442e-05)	1.67759e-03 (3.61442e-05)
704	8.45751e-06 (6.70440e-04)	8.46408e-06 (3.70485e-05)	8.45504e-06 (6.70461e-04)	8.45504e-06 (6.70461e-04)
804	8.27668e-06 (2.07435e-03)	8.28277e-06 (3.62211e-05)	8.27338e-06 (2.07479e-03)	8.27338e-06 (2.07479e-03)
904	3.98766e-05 (9.40164e-04)	3.98949e-05 (3.63135e-05)	3.98935e-05 (9.40022e-04)	3.98935e-05 (9.40022e-04)

Fairness Comparison Tables: Pure Absorber

Source Cell: 4, Alternate Approach: 1 & 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.63791e-04 (3.65914e-05)	1.63784e-04 (4.05361e-05)	1.63777e-04 (4.01278e-05)	1.63777e-04 (4.01278e-05)
204	1.67081e-03 (3.38610e-05)	1.67075e-03 (3.49175e-05)	1.67069e-03 (3.49176e-05)	1.67069e-03 (3.49176e-05)
304	1.17750e-04 (5.37443e-04)	1.17786e-04 (3.58237e-05)	1.17779e-04 (2.48218e-04)	1.17779e-04 (2.48218e-04)
404	2.21214e-02 (4.70968e-05)	2.21228e-02 (4.70934e-05)	2.21234e-02 (4.70933e-05)	2.21234e-02 (4.70933e-05)
504	1.19233e-03 (5.67266e-04)	1.19349e-03 (3.59801e-05)	1.19356e-03 (3.59784e-05)	1.19356e-03 (3.59784e-05)
604	1.13941e-04 (1.86415e-03)	1.14323e-04 (3.56448e-05)	1.14322e-04 (3.29301e-04)	1.14322e-04 (3.29301e-04)
704	7.49023e-06 (7.13430e-04)	7.49126e-06 (3.70321e-05)	7.49006e-06 (7.13546e-04)	7.49006e-06 (7.13546e-04)
804	7.33604e-06 (2.20360e-03)	7.34856e-06 (3.62145e-05)	7.33156e-06 (2.20390e-03)	7.33156e-06 (2.20390e-03)
904	2.13911e-05 (1.28732e-03)	2.13785e-05 (3.62562e-05)	2.13781e-05 (1.28779e-03)	2.13781e-05 (1.28779e-03)

Source Cell: 5, Alternate Approach: 1 & 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.78000e-04 (3.29130e-05)	1.77993e-04 (4.18572e-05)	1.77999e-04 (3.65537e-05)	1.77999e-04 (3.65537e-05)
204	1.67074e-03 (3.38657e-05)	1.67085e-03 (3.49129e-05)	1.67080e-03 (3.49156e-05)	1.67080e-03 (3.49156e-05)
304	2.55810e-04 (3.56048e-04)	2.55831e-04 (3.62332e-05)	2.55843e-04 (3.56005e-04)	2.55843e-04 (3.56005e-04)
404	1.19473e-03 (5.66845e-04)	1.19351e-03 (3.59838e-05)	1.19351e-03 (3.59840e-05)	1.19351e-03 (3.59840e-05)
504	2.21219e-02 (4.70919e-05)	2.21228e-02 (4.70959e-05)	2.21213e-02 (4.70943e-05)	2.21213e-02 (4.70943e-05)
604	2.39402e-04 (1.28409e-03)	2.39608e-04 (3.56787e-05)	2.40478e-04 (1.28148e-03)	2.40478e-04 (1.28148e-03)
704	7.64002e-06 (7.06146e-04)	7.63742e-06 (3.70352e-05)	7.63634e-06 (7.06361e-04)	7.63634e-06 (7.06361e-04)
804	7.49392e-06 (2.17924e-03)	7.48987e-06 (3.62080e-05)	7.44827e-06 (2.18640e-03)	7.44827e-06 (2.18640e-03)
904	2.49909e-05 (1.19041e-03)	2.50078e-05 (3.62622e-05)	2.50106e-05 (1.19010e-03)	2.50106e-05 (1.19010e-03)

Fairness Comparison Tables: Pure Absorber

Source Cell: 6, Alternate Approach: 1 & 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.68349e-04 (3.50615e-05)	1.68354e-04 (3.86019e-05)	1.68363e-04 (3.50549e-05)	1.68363e-04 (3.50549e-05)
204	1.66351e-04 (4.47500e-04)	1.66273e-04 (4.11994e-05)	1.66321e-04 (4.47519e-04)	1.66321e-04 (4.47519e-04)
304	1.79462e-03 (7.42720e-06)	1.79462e-03 (7.42763e-06)	1.79466e-03 (7.41511e-06)	1.79466e-03 (7.41511e-06)
404	1.14345e-04 (1.86129e-03)	1.14328e-04 (3.56453e-05)	1.14637e-04 (1.85906e-03)	1.14637e-04 (1.85906e-03)
504	2.39993e-04 (1.28233e-03)	2.39617e-04 (3.56777e-05)	2.40186e-04 (1.28187e-03)	2.40186e-04 (1.28187e-03)
604	2.21243e-02 (4.70891e-05)	2.21225e-02 (4.70890e-05)	2.21230e-02 (4.70921e-05)	2.21230e-02 (4.70921e-05)
704	7.56661e-06 (7.09745e-04)	7.57738e-06 (3.70282e-05)	7.58837e-06 (7.08676e-04)	7.58837e-06 (7.08676e-04)
804	7.44681e-06 (2.18759e-03)	7.43104e-06 (3.62151e-05)	7.43103e-06 (2.19034e-03)	7.43103e-06 (2.19034e-03)
904	3.20407e-05 (1.05027e-03)	3.20622e-05 (3.62805e-05)	3.21452e-05 (1.04851e-03)	3.21452e-05 (1.04851e-03)

Source Cell: 7, Alternate Approach: 1 & 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.19073e-05 (5.62460e-04)	1.18954e-05 (3.77487e-05)	1.18845e-05 (5.62972e-04)	1.18845e-05 (5.62972e-04)
204	1.13147e-05 (1.76559e-03)	1.12971e-05 (3.75506e-05)	1.12795e-05 (1.76829e-03)	1.12795e-05 (1.76829e-03)
304	1.13273e-05 (1.76429e-03)	1.12952e-05 (3.55675e-05)	1.12474e-05 (1.77018e-03)	1.12474e-05 (1.77018e-03)
404	1.10619e-05 (5.99003e-03)	1.10755e-05 (3.56200e-05)	1.10215e-05 (6.00251e-03)	1.10215e-05 (6.00251e-03)
504	1.14450e-05 (5.88607e-03)	1.13909e-05 (3.56136e-05)	1.15424e-05 (5.87161e-03)	1.15424e-05 (5.87161e-03)
604	1.12366e-05 (5.94727e-03)	1.12600e-05 (3.56149e-05)	1.11798e-05 (5.96221e-03)	1.11798e-05 (5.96221e-03)
704	2.18694e-04 (4.44162e-05)	2.18686e-04 (4.41639e-05)	2.18694e-04 (4.41624e-05)	2.18694e-04 (4.41624e-05)
804	2.06208e-04 (4.01884e-04)	2.06203e-04 (3.69127e-05)	2.06191e-04 (3.69078e-05)	2.06191e-04 (3.69078e-05)
904	5.99310e-05 (7.64391e-04)	6.00210e-05 (3.63725e-05)	6.00514e-05 (7.63606e-04)	6.00514e-05 (7.63606e-04)

Fairness Comparison Tables: Pure Absorber

Source Cell: 8, Alternate Approach: 1 & 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	8.61028e-06 (6.64583e-04)	8.60917e-06 (3.78308e-05)	8.59790e-06 (6.64965e-04)	8.59790e-06 (6.64965e-04)
204	8.27180e-06 (2.06563e-03)	8.28529e-06 (3.75908e-05)	8.28839e-06 (2.06422e-03)	8.28839e-06 (2.06422e-03)
304	8.27102e-06 (2.06471e-03)	8.28428e-06 (3.55602e-05)	8.30585e-06 (2.06084e-03)	8.30585e-06 (2.06084e-03)
404	8.16666e-06 (6.98390e-03)	8.16270e-06 (3.56152e-05)	8.19437e-06 (6.96480e-03)	8.19437e-06 (6.96480e-03)
504	8.44900e-06 (6.85804e-03)	8.33600e-06 (3.56169e-05)	8.35239e-06 (6.89919e-03)	8.35239e-06 (6.89919e-03)
604	8.18750e-06 (6.96389e-03)	8.26433e-06 (3.56166e-05)	8.37374e-06 (6.89134e-03)	8.37374e-06 (6.89134e-03)
704	1.91854e-04 (1.27255e-05)	1.91847e-04 (1.27389e-05)	1.91852e-04 (1.27298e-05)	1.91852e-04 (1.27298e-05)
804	1.93807e-03 (5.09435e-05)	1.93801e-03 (5.09462e-05)	1.93796e-03 (5.09472e-05)	1.93796e-03 (5.09472e-05)
904	3.40453e-05 (1.01864e-03)	3.40649e-05 (3.62962e-05)	3.40334e-05 (1.01871e-03)	3.40334e-05 (1.01871e-03)

Source Cell: 9, Alternate Approach: 1 & 2, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.02193e-05 (3.43198e-04)	3.02157e-05 (3.77513e-05)	3.02208e-05 (3.43202e-04)	3.02208e-05 (3.43202e-04)
204	2.38312e-05 (1.21244e-03)	2.38518e-05 (3.72870e-05)	2.38028e-05 (1.21324e-03)	2.38028e-05 (1.21324e-03)
304	3.03145e-05 (1.07487e-03)	3.03426e-05 (3.56119e-05)	3.03515e-05 (1.07398e-03)	3.03515e-05 (1.07398e-03)
404	2.22827e-05 (4.22231e-03)	2.20917e-05 (3.56155e-05)	2.18554e-05 (4.26320e-03)	2.18554e-05 (4.26320e-03)
504	2.52847e-05 (3.96559e-03)	2.52667e-05 (3.56147e-05)	2.53395e-05 (3.95785e-03)	2.53395e-05 (3.95785e-03)
604	3.01155e-05 (3.63292e-03)	3.01028e-05 (3.56241e-05)	3.01885e-05 (3.62640e-03)	3.01885e-05 (3.62640e-03)
704	3.00505e-05 (3.43865e-04)	3.00608e-05 (3.75274e-05)	3.00682e-05 (3.43765e-04)	3.00682e-05 (3.43765e-04)
804	2.78383e-05 (1.12740e-03)	2.79360e-05 (3.62671e-05)	2.78740e-05 (1.12679e-03)	2.78740e-05 (1.12679e-03)
904	2.16628e-03 (3.24366e-05)	2.16628e-03 (3.24372e-05)	2.16625e-03 (3.24388e-05)	2.16625e-03 (3.24388e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 0, Alternate Approach: 1 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.33158e-05 (3.25615e-04)	3.33308e-05 (3.76255e-05)	3.33290e-05 (3.65026e-05)	3.33290e-05 (3.65026e-05)
204	2.90895e-05 (1.09809e-03)	2.91011e-05 (3.73967e-05)	2.91156e-05 (3.30030e-04)	2.91156e-05 (3.30030e-04)
304	2.90260e-05 (1.09876e-03)	2.90865e-05 (3.56085e-05)	2.90706e-05 (3.30137e-04)	2.90706e-05 (3.30137e-04)
404	2.77921e-05 (3.77932e-03)	2.77362e-05 (3.56188e-05)	2.77738e-05 (1.17959e-03)	2.77738e-05 (1.17959e-03)
504	2.96223e-05 (3.66354e-03)	2.97039e-05 (3.56212e-05)	2.96900e-05 (1.14064e-03)	2.96900e-05 (1.14064e-03)
604	2.88519e-05 (3.70987e-03)	2.88672e-05 (3.56233e-05)	2.88791e-05 (1.15691e-03)	2.88791e-05 (1.15691e-03)
704	3.31295e-05 (3.25832e-04)	3.31121e-05 (3.76060e-05)	3.31149e-05 (3.68208e-05)	3.31149e-05 (3.68208e-05)
804	3.05217e-05 (1.07618e-03)	3.05397e-05 (3.62795e-05)	3.05529e-05 (3.23099e-04)	3.05529e-05 (3.23099e-04)
904	2.06176e-04 (4.01916e-04)	2.06197e-04 (3.69095e-05)	2.06197e-04 (3.69174e-05)	2.06197e-04 (3.69174e-05)

Source Cell: 1, Alternate Approach: 1 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.23215e-04 (4.39606e-05)	2.23224e-04 (4.31028e-05)	2.23234e-04 (4.30714e-05)	2.23234e-04 (4.30714e-05)
204	1.56191e-04 (4.63554e-04)	1.56059e-04 (3.73274e-05)	1.56056e-04 (3.48244e-05)	1.56056e-04 (3.48244e-05)
304	1.55704e-04 (4.64378e-04)	1.55855e-04 (3.59276e-05)	1.55853e-04 (3.51446e-05)	1.55853e-04 (3.51446e-05)
404	1.24552e-04 (1.78345e-03)	1.24550e-04 (3.56487e-05)	1.24507e-04 (3.86238e-04)	1.24507e-04 (3.86238e-04)
504	1.74025e-04 (1.50777e-03)	1.74231e-04 (3.56614e-05)	1.74287e-04 (3.21998e-04)	1.74287e-04 (3.21998e-04)
604	1.49326e-04 (1.62829e-03)	1.49822e-04 (3.56543e-05)	1.49844e-04 (3.49742e-04)	1.49844e-04 (3.49742e-04)
704	1.18699e-05 (5.63046e-04)	1.18632e-05 (3.71079e-05)	1.18635e-05 (3.61105e-05)	1.18635e-05 (3.61105e-05)
804	1.15455e-05 (1.75600e-03)	1.15174e-05 (3.62269e-05)	1.15185e-05 (3.12280e-04)	1.15185e-05 (3.12280e-04)
904	6.00421e-05 (7.63799e-04)	6.00152e-05 (3.63836e-05)	6.00201e-05 (3.63775e-05)	6.00201e-05 (3.63775e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 2, Alternate Approach: 1 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80107e-04 (3.33618e-05)	1.80102e-04 (4.28903e-05)	1.80107e-04 (4.10643e-05)	1.80107e-04 (4.10643e-05)
204	1.97741e-03 (4.82783e-05)	1.97724e-03 (4.69483e-05)	1.97720e-03 (4.69517e-05)	1.97720e-03 (4.69517e-05)
304	1.52214e-04 (4.70005e-04)	1.52157e-04 (3.59181e-05)	1.52177e-04 (4.68032e-04)	1.52177e-04 (4.68032e-04)
404	1.25172e-03 (5.53194e-04)	1.25052e-03 (3.60022e-05)	1.25055e-03 (3.59985e-05)	1.25055e-03 (3.59985e-05)
504	1.25085e-03 (5.53401e-04)	1.25050e-03 (3.60010e-05)	1.25052e-03 (3.59995e-05)	1.25052e-03 (3.59995e-05)
604	1.46427e-04 (1.64416e-03)	1.46402e-04 (3.56545e-05)	1.46589e-04 (1.64310e-03)	1.46589e-04 (1.64310e-03)
704	8.46482e-06 (6.70079e-04)	8.46470e-06 (3.70415e-05)	8.46400e-06 (3.60188e-05)	8.46400e-06 (3.60188e-05)
804	8.27382e-06 (2.07533e-03)	8.28331e-06 (3.62160e-05)	8.28331e-06 (3.10684e-04)	8.28331e-06 (3.10684e-04)
904	2.70518e-05 (1.14401e-03)	2.70632e-05 (3.62736e-05)	2.70622e-05 (3.62690e-05)	2.70622e-05 (3.62690e-05)

Source Cell: 3, Alternate Approach: 1 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80120e-04 (3.33603e-05)	1.80104e-04 (4.15707e-05)	1.80129e-04 (3.94075e-05)	1.80129e-04 (3.94075e-05)
204	1.51515e-04 (4.69381e-04)	1.51612e-04 (4.01642e-05)	1.51748e-04 (4.68989e-04)	1.51748e-04 (4.68989e-04)
304	1.94527e-03 (4.84184e-05)	1.94521e-03 (4.73245e-05)	1.94527e-03 (4.73231e-05)	1.94527e-03 (4.73231e-05)
404	1.07016e-04 (1.92400e-03)	1.07116e-04 (3.56452e-05)	1.07133e-04 (1.92307e-03)	1.07133e-04 (1.92307e-03)
504	2.10011e-04 (1.37174e-03)	2.10304e-04 (3.56735e-05)	2.10741e-04 (1.36914e-03)	2.10741e-04 (1.36914e-03)
604	1.67883e-03 (4.74534e-04)	1.67764e-03 (3.61423e-05)	1.67754e-03 (3.61480e-05)	1.67754e-03 (3.61480e-05)
704	8.45751e-06 (6.70440e-04)	8.46408e-06 (3.70485e-05)	8.46398e-06 (3.60169e-05)	8.46398e-06 (3.60169e-05)
804	8.27668e-06 (2.07435e-03)	8.28277e-06 (3.62211e-05)	8.28332e-06 (3.10680e-04)	8.28332e-06 (3.10680e-04)
904	3.98766e-05 (9.40164e-04)	3.98949e-05 (3.63135e-05)	3.98948e-05 (3.63141e-05)	3.98948e-05 (3.63141e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 4, Alternate Approach: 1 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.63791e-04 (3.65914e-05)	1.63784e-04 (4.05361e-05)	1.63796e-04 (3.65967e-05)	1.63796e-04 (3.65967e-05)
204	1.67081e-03 (3.38610e-05)	1.67075e-03 (3.49175e-05)	1.67090e-03 (3.38616e-05)	1.67090e-03 (3.38616e-05)
304	1.17750e-04 (5.37443e-04)	1.17786e-04 (3.58237e-05)	1.17751e-04 (5.37478e-04)	1.17751e-04 (5.37478e-04)
404	2.21214e-02 (4.70968e-05)	2.21228e-02 (4.70934e-05)	2.21216e-02 (4.70915e-05)	2.21216e-02 (4.70915e-05)
504	1.19233e-03 (5.67266e-04)	1.19349e-03 (3.59801e-05)	1.19288e-03 (5.67144e-04)	1.19288e-03 (5.67144e-04)
604	1.13941e-04 (1.86415e-03)	1.14323e-04 (3.56448e-05)	1.14395e-04 (1.86123e-03)	1.14395e-04 (1.86123e-03)
704	7.49023e-06 (7.13430e-04)	7.49126e-06 (3.70321e-05)	7.49148e-06 (3.59885e-05)	7.49148e-06 (3.59885e-05)
804	7.33604e-06 (2.20360e-03)	7.34856e-06 (3.62145e-05)	7.34828e-06 (3.10197e-04)	7.34828e-06 (3.10197e-04)
904	2.13911e-05 (1.28732e-03)	2.13785e-05 (3.62562e-05)	2.13785e-05 (3.62555e-05)	2.13785e-05 (3.62555e-05)

Source Cell: 5, Alternate Approach: 1 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.78000e-04 (3.29130e-05)	1.77993e-04 (4.18572e-05)	1.78008e-04 (3.29049e-05)	1.78008e-04 (3.29049e-05)
204	1.67074e-03 (3.38657e-05)	1.67085e-03 (3.49129e-05)	1.67073e-03 (3.38594e-05)	1.67073e-03 (3.38594e-05)
304	2.55810e-04 (3.56048e-04)	2.55831e-04 (3.62332e-05)	2.55877e-04 (3.56013e-04)	2.55877e-04 (3.56013e-04)
404	1.19473e-03 (5.66845e-04)	1.19351e-03 (3.59838e-05)	1.19281e-03 (5.67146e-04)	1.19281e-03 (5.67146e-04)
504	2.21219e-02 (4.70919e-05)	2.21228e-02 (4.70959e-05)	2.21249e-02 (4.70879e-05)	2.21249e-02 (4.70879e-05)
604	2.39402e-04 (1.28409e-03)	2.39608e-04 (3.56787e-05)	2.39828e-04 (1.28305e-03)	2.39828e-04 (1.28305e-03)
704	7.64002e-06 (7.06146e-04)	7.63742e-06 (3.70352e-05)	7.63816e-06 (3.59915e-05)	7.63816e-06 (3.59915e-05)
804	7.49392e-06 (2.17924e-03)	7.48987e-06 (3.62080e-05)	7.49229e-06 (3.10246e-04)	7.49229e-06 (3.10246e-04)
904	2.49909e-05 (1.19041e-03)	2.50078e-05 (3.62622e-05)	2.50065e-05 (3.62632e-05)	2.50065e-05 (3.62632e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 6, Alternate Approach: 1 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.68349e-04 (3.50615e-05)	1.68354e-04 (3.86019e-05)	1.68350e-04 (3.50628e-05)	1.68350e-04 (3.50628e-05)
204	1.66351e-04 (4.47500e-04)	1.66273e-04 (4.11994e-05)	1.66335e-04 (4.47522e-04)	1.66335e-04 (4.47522e-04)
304	1.79462e-03 (7.42720e-06)	1.79462e-03 (7.42763e-06)	1.79462e-03 (7.42849e-06)	1.79462e-03 (7.42849e-06)
404	1.14345e-04 (1.86129e-03)	1.14328e-04 (3.56453e-05)	1.14284e-04 (1.86216e-03)	1.14284e-04 (1.86216e-03)
504	2.39993e-04 (1.28233e-03)	2.39617e-04 (3.56777e-05)	2.39478e-04 (1.28382e-03)	2.39478e-04 (1.28382e-03)
604	2.21243e-02 (4.70891e-05)	2.21225e-02 (4.70890e-05)	2.21249e-02 (4.70909e-05)	2.21249e-02 (4.70909e-05)
704	7.56661e-06 (7.09745e-04)	7.57738e-06 (3.70282e-05)	7.57726e-06 (3.59930e-05)	7.57726e-06 (3.59930e-05)
804	7.44681e-06 (2.18759e-03)	7.43104e-06 (3.62151e-05)	7.43490e-06 (3.10165e-04)	7.43490e-06 (3.10165e-04)
904	3.20407e-05 (1.05027e-03)	3.20622e-05 (3.62805e-05)	3.20575e-05 (3.62935e-05)	3.20575e-05 (3.62935e-05)

Source Cell: 7, Alternate Approach: 1 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.19073e-05 (5.62460e-04)	1.18954e-05 (3.77487e-05)	1.18950e-05 (3.58849e-05)	1.18950e-05 (3.58849e-05)
204	1.13147e-05 (1.76559e-03)	1.12971e-05 (3.75506e-05)	1.12967e-05 (3.13939e-04)	1.12967e-05 (3.13939e-04)
304	1.13273e-05 (1.76429e-03)	1.12952e-05 (3.55675e-05)	1.12976e-05 (3.13689e-04)	1.12976e-05 (3.13689e-04)
404	1.10619e-05 (5.99003e-03)	1.10755e-05 (3.56200e-05)	1.10697e-05 (1.11034e-03)	1.10697e-05 (1.11034e-03)
504	1.14450e-05 (5.88607e-03)	1.13909e-05 (3.56136e-05)	1.13928e-05 (1.09577e-03)	1.13928e-05 (1.09577e-03)
604	1.12366e-05 (5.94727e-03)	1.12600e-05 (3.56149e-05)	1.12760e-05 (1.10100e-03)	1.12760e-05 (1.10100e-03)
704	2.18694e-04 (4.44162e-05)	2.18686e-04 (4.41639e-05)	2.18671e-04 (4.41646e-05)	2.18671e-04 (4.41646e-05)
804	2.06208e-04 (4.01884e-04)	2.06203e-04 (3.69127e-05)	2.06194e-04 (3.69117e-05)	2.06194e-04 (3.69117e-05)
904	5.99310e-05 (7.64391e-04)	6.00210e-05 (3.63725e-05)	6.00248e-05 (3.63672e-05)	6.00248e-05 (3.63672e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 8, Alternate Approach: 1 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	8.61028e-06 (6.64583e-04)	8.60917e-06 (3.78308e-05)	8.60839e-06 (3.58114e-05)	8.60839e-06 (3.58114e-05)
204	8.27180e-06 (2.06563e-03)	8.28529e-06 (3.75908e-05)	8.28725e-06 (3.11442e-04)	8.28725e-06 (3.11442e-04)
304	8.27102e-06 (2.06471e-03)	8.28428e-06 (3.55602e-05)	8.28274e-06 (3.11299e-04)	8.28274e-06 (3.11299e-04)
404	8.16666e-06 (6.98390e-03)	8.16270e-06 (3.56152e-05)	8.14912e-06 (1.10031e-03)	8.14912e-06 (1.10031e-03)
504	8.44900e-06 (6.85804e-03)	8.33600e-06 (3.56169e-05)	8.33931e-06 (1.08915e-03)	8.33931e-06 (1.08915e-03)
604	8.18750e-06 (6.96389e-03)	8.26433e-06 (3.56166e-05)	8.26754e-06 (1.09315e-03)	8.26754e-06 (1.09315e-03)
704	1.91854e-04 (1.27255e-05)	1.91847e-04 (1.27389e-05)	1.91850e-04 (1.27314e-05)	1.91850e-04 (1.27314e-05)
804	1.93807e-03 (5.09435e-05)	1.93801e-03 (5.09462e-05)	1.93807e-03 (5.09489e-05)	1.93807e-03 (5.09489e-05)
904	3.40453e-05 (1.01864e-03)	3.40649e-05 (3.62962e-05)	3.40652e-05 (3.62929e-05)	3.40652e-05 (3.62929e-05)

Source Cell: 9, Alternate Approach: 1 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.02193e-05 (3.43198e-04)	3.02157e-05 (3.77513e-05)	3.02154e-05 (3.62418e-05)	3.02154e-05 (3.62418e-05)
204	2.38312e-05 (1.21244e-03)	2.38518e-05 (3.72870e-05)	2.38424e-05 (3.48258e-04)	2.38424e-05 (3.48258e-04)
304	3.03145e-05 (1.07487e-03)	3.03426e-05 (3.56119e-05)	3.03449e-05 (3.05384e-04)	3.03449e-05 (3.05384e-04)
404	2.22827e-05 (4.22231e-03)	2.20917e-05 (3.56155e-05)	2.20718e-05 (1.26019e-03)	2.20718e-05 (1.26019e-03)
504	2.52847e-05 (3.96559e-03)	2.52667e-05 (3.56147e-05)	2.52623e-05 (1.17779e-03)	2.52623e-05 (1.17779e-03)
604	3.01155e-05 (3.63292e-03)	3.01028e-05 (3.56241e-05)	3.00446e-05 (1.07880e-03)	3.00446e-05 (1.07880e-03)
704	3.00505e-05 (3.43865e-04)	3.00608e-05 (3.75274e-05)	3.00621e-05 (3.67154e-05)	3.00621e-05 (3.67154e-05)
804	2.78383e-05 (1.12740e-03)	2.79360e-05 (3.62671e-05)	2.79440e-05 (3.21486e-04)	2.79440e-05 (3.21486e-04)
904	2.16628e-03 (3.24366e-05)	2.16628e-03 (3.24372e-05)	2.16635e-03 (3.24376e-05)	2.16635e-03 (3.24376e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 0, Alternate Approach: 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.33158e-05 (3.25615e-04)	3.33308e-05 (3.76255e-05)	3.33281e-05 (3.25562e-04)	3.33281e-05 (3.25562e-04)
204	2.90895e-05 (1.09809e-03)	2.91011e-05 (3.73967e-05)	2.91335e-05 (1.09737e-03)	2.91335e-05 (1.09737e-03)
304	2.90260e-05 (1.09876e-03)	2.90865e-05 (3.56085e-05)	2.89612e-05 (1.09972e-03)	2.89612e-05 (1.09972e-03)
404	2.77921e-05 (3.77932e-03)	2.77362e-05 (3.56188e-05)	2.77059e-05 (3.78443e-03)	2.77059e-05 (3.78443e-03)
504	2.96223e-05 (3.66354e-03)	2.97039e-05 (3.56212e-05)	2.96828e-05 (3.65720e-03)	2.96828e-05 (3.65720e-03)
604	2.88519e-05 (3.70987e-03)	2.88672e-05 (3.56233e-05)	2.87674e-05 (3.71613e-03)	2.87674e-05 (3.71613e-03)
704	3.31295e-05 (3.25832e-04)	3.31121e-05 (3.76060e-05)	3.31157e-05 (3.25916e-04)	3.31157e-05 (3.25916e-04)
804	3.05217e-05 (1.07618e-03)	3.05397e-05 (3.62795e-05)	3.05518e-05 (1.07566e-03)	3.05518e-05 (1.07566e-03)
904	2.06176e-04 (4.01916e-04)	2.06197e-04 (3.69095e-05)	2.06197e-04 (4.01873e-04)	2.06197e-04 (4.01873e-04)

Source Cell: 1, Alternate Approach: 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.23215e-04 (4.39606e-05)	2.23224e-04 (4.31028e-05)	2.23225e-04 (4.39655e-05)	2.23225e-04 (4.39655e-05)
204	1.56191e-04 (4.63554e-04)	1.56059e-04 (3.73274e-05)	1.56012e-04 (4.63747e-04)	1.56012e-04 (4.63747e-04)
304	1.55704e-04 (4.64378e-04)	1.55855e-04 (3.59276e-05)	1.55918e-04 (4.64129e-04)	1.55918e-04 (4.64129e-04)
404	1.24552e-04 (1.78345e-03)	1.24550e-04 (3.56487e-05)	1.24436e-04 (1.78419e-03)	1.24436e-04 (1.78419e-03)
504	1.74025e-04 (1.50777e-03)	1.74231e-04 (3.56614e-05)	1.74488e-04 (1.50609e-03)	1.74488e-04 (1.50609e-03)
604	1.49326e-04 (1.62829e-03)	1.49822e-04 (3.56543e-05)	1.49997e-04 (1.62417e-03)	1.49997e-04 (1.62417e-03)
704	1.18699e-05 (5.63046e-04)	1.18632e-05 (3.71079e-05)	1.18638e-05 (3.61095e-05)	1.18638e-05 (3.61095e-05)
804	1.15455e-05 (1.75600e-03)	1.15174e-05 (3.62269e-05)	1.15161e-05 (3.12320e-04)	1.15161e-05 (3.12320e-04)
904	6.00421e-05 (7.63799e-04)	6.00152e-05 (3.63836e-05)	6.00216e-05 (3.63700e-05)	6.00216e-05 (3.63700e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 2, Alternate Approach: 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80107e-04 (3.33618e-05)	1.80102e-04 (4.28903e-05)	1.80111e-04 (3.62755e-05)	1.80111e-04 (3.62755e-05)
204	1.97741e-03 (4.82783e-05)	1.97724e-03 (4.69483e-05)	1.97728e-03 (4.82841e-05)	1.97728e-03 (4.82841e-05)
304	1.52214e-04 (4.70005e-04)	1.52157e-04 (3.59181e-05)	1.52154e-04 (3.51292e-05)	1.52154e-04 (3.51292e-05)
404	1.25172e-03 (5.53194e-04)	1.25052e-03 (3.60022e-05)	1.25163e-03 (5.53164e-04)	1.25163e-03 (5.53164e-04)
504	1.25085e-03 (5.53401e-04)	1.25050e-03 (3.60010e-05)	1.24968e-03 (5.53664e-04)	1.24968e-03 (5.53664e-04)
604	1.46427e-04 (1.64416e-03)	1.46402e-04 (3.56545e-05)	1.46423e-04 (3.49474e-04)	1.46423e-04 (3.49474e-04)
704	8.46482e-06 (6.70079e-04)	8.46470e-06 (3.70415e-05)	8.46390e-06 (3.60168e-05)	8.46390e-06 (3.60168e-05)
804	8.27382e-06 (2.07533e-03)	8.28331e-06 (3.62160e-05)	8.28520e-06 (3.10634e-04)	8.28520e-06 (3.10634e-04)
904	2.70518e-05 (1.14401e-03)	2.70632e-05 (3.62736e-05)	2.70631e-05 (3.62704e-05)	2.70631e-05 (3.62704e-05)

Source Cell: 3, Alternate Approach: 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80120e-04 (3.33603e-05)	1.80104e-04 (4.15707e-05)	1.80121e-04 (3.62708e-05)	1.80121e-04 (3.62708e-05)
204	1.51515e-04 (4.69381e-04)	1.51612e-04 (4.01642e-05)	1.51610e-04 (3.45341e-05)	1.51610e-04 (3.45341e-05)
304	1.94527e-03 (4.84184e-05)	1.94521e-03 (4.73245e-05)	1.94528e-03 (4.84242e-05)	1.94528e-03 (4.84242e-05)
404	1.07016e-04 (1.92400e-03)	1.07116e-04 (3.56452e-05)	1.07153e-04 (4.13001e-04)	1.07153e-04 (4.13001e-04)
504	2.10011e-04 (1.37174e-03)	2.10304e-04 (3.56735e-05)	2.10353e-04 (2.86266e-04)	2.10353e-04 (2.86266e-04)
604	1.67883e-03 (4.74534e-04)	1.67764e-03 (3.61423e-05)	1.67720e-03 (4.74789e-04)	1.67720e-03 (4.74789e-04)
704	8.45751e-06 (6.70440e-04)	8.46408e-06 (3.70485e-05)	8.46432e-06 (3.60149e-05)	8.46432e-06 (3.60149e-05)
804	8.27668e-06 (2.07435e-03)	8.28277e-06 (3.62211e-05)	8.28199e-06 (3.10706e-04)	8.28199e-06 (3.10706e-04)
904	3.98766e-05 (9.40164e-04)	3.98949e-05 (3.63135e-05)	3.98975e-05 (3.63104e-05)	3.98975e-05 (3.63104e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 4, Alternate Approach: 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.63791e-04 (3.65914e-05)	1.63784e-04 (4.05361e-05)	1.63776e-04 (4.01262e-05)	1.63776e-04 (4.01262e-05)
204	1.67081e-03 (3.38610e-05)	1.67075e-03 (3.49175e-05)	1.67069e-03 (3.49161e-05)	1.67069e-03 (3.49161e-05)
304	1.17750e-04 (5.37443e-04)	1.17786e-04 (3.58237e-05)	1.17789e-04 (2.48248e-04)	1.17789e-04 (2.48248e-04)
404	2.21214e-02 (4.70968e-05)	2.21228e-02 (4.70934e-05)	2.21235e-02 (4.70924e-05)	2.21235e-02 (4.70924e-05)
504	1.19233e-03 (5.67266e-04)	1.19349e-03 (3.59801e-05)	1.19346e-03 (3.59850e-05)	1.19346e-03 (3.59850e-05)
604	1.13941e-04 (1.86415e-03)	1.14323e-04 (3.56448e-05)	1.14264e-04 (3.29370e-04)	1.14264e-04 (3.29370e-04)
704	7.49023e-06 (7.13430e-04)	7.49126e-06 (3.70321e-05)	7.49157e-06 (3.59912e-05)	7.49157e-06 (3.59912e-05)
804	7.33604e-06 (2.20360e-03)	7.34856e-06 (3.62145e-05)	7.34758e-06 (3.10236e-04)	7.34758e-06 (3.10236e-04)
904	2.13911e-05 (1.28732e-03)	2.13785e-05 (3.62562e-05)	2.13772e-05 (3.62565e-05)	2.13772e-05 (3.62565e-05)

Source Cell: 5, Alternate Approach: 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.78000e-04 (3.29130e-05)	1.77993e-04 (4.18572e-05)	1.78004e-04 (3.65506e-05)	1.78004e-04 (3.65506e-05)
204	1.67074e-03 (3.38657e-05)	1.67085e-03 (3.49129e-05)	1.67081e-03 (3.49174e-05)	1.67081e-03 (3.49174e-05)
304	2.55810e-04 (3.56048e-04)	2.55831e-04 (3.62332e-05)	2.55871e-04 (3.56002e-04)	2.55871e-04 (3.56002e-04)
404	1.19473e-03 (5.66845e-04)	1.19351e-03 (3.59838e-05)	1.19357e-03 (3.59755e-05)	1.19357e-03 (3.59755e-05)
504	2.21219e-02 (4.70919e-05)	2.21228e-02 (4.70959e-05)	2.21228e-02 (4.70928e-05)	2.21228e-02 (4.70928e-05)
604	2.39402e-04 (1.28409e-03)	2.39608e-04 (3.56787e-05)	2.39380e-04 (1.28439e-03)	2.39380e-04 (1.28439e-03)
704	7.64002e-06 (7.06146e-04)	7.63742e-06 (3.70352e-05)	7.63791e-06 (3.59961e-05)	7.63791e-06 (3.59961e-05)
804	7.49392e-06 (2.17924e-03)	7.48987e-06 (3.62080e-05)	7.48973e-06 (3.10266e-04)	7.48973e-06 (3.10266e-04)
904	2.49909e-05 (1.19041e-03)	2.50078e-05 (3.62622e-05)	2.50034e-05 (3.62763e-05)	2.50034e-05 (3.62763e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 6, Alternate Approach: 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.68349e-04 (3.50615e-05)	1.68354e-04 (3.86019e-05)	1.68339e-04 (3.50657e-05)	1.68339e-04 (3.50657e-05)
204	1.66351e-04 (4.47500e-04)	1.66273e-04 (4.11994e-05)	1.66387e-04 (4.47396e-04)	1.66387e-04 (4.47396e-04)
304	1.79462e-03 (7.42720e-06)	1.79462e-03 (7.42763e-06)	1.79461e-03 (7.43161e-06)	1.79461e-03 (7.43161e-06)
404	1.14345e-04 (1.86129e-03)	1.14328e-04 (3.56453e-05)	1.14351e-04 (1.86152e-03)	1.14351e-04 (1.86152e-03)
504	2.39993e-04 (1.28233e-03)	2.39617e-04 (3.56777e-05)	2.40035e-04 (1.28231e-03)	2.40035e-04 (1.28231e-03)
604	2.21243e-02 (4.70891e-05)	2.21225e-02 (4.70890e-05)	2.21213e-02 (4.70931e-05)	2.21213e-02 (4.70931e-05)
704	7.56661e-06 (7.09745e-04)	7.57738e-06 (3.70282e-05)	7.57785e-06 (3.59889e-05)	7.57785e-06 (3.59889e-05)
804	7.44681e-06 (2.18759e-03)	7.43104e-06 (3.62151e-05)	7.42905e-06 (3.10300e-04)	7.42905e-06 (3.10300e-04)
904	3.20407e-05 (1.05027e-03)	3.20622e-05 (3.62805e-05)	3.20628e-05 (3.62807e-05)	3.20628e-05 (3.62807e-05)

Source Cell: 7, Alternate Approach: 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.19073e-05 (5.62460e-04)	1.18954e-05 (3.77487e-05)	1.18945e-05 (3.58835e-05)	1.18945e-05 (3.58835e-05)
204	1.13147e-05 (1.76559e-03)	1.12971e-05 (3.75506e-05)	1.13031e-05 (3.13814e-04)	1.13031e-05 (3.13814e-04)
304	1.13273e-05 (1.76429e-03)	1.12952e-05 (3.55675e-05)	1.12908e-05 (3.13781e-04)	1.12908e-05 (3.13781e-04)
404	1.10619e-05 (5.99003e-03)	1.10755e-05 (3.56200e-05)	1.10882e-05 (1.10975e-03)	1.10882e-05 (1.10975e-03)
504	1.14450e-05 (5.88607e-03)	1.13909e-05 (3.56136e-05)	1.14088e-05 (1.09503e-03)	1.14088e-05 (1.09503e-03)
604	1.12366e-05 (5.94727e-03)	1.12600e-05 (3.56149e-05)	1.12513e-05 (1.10199e-03)	1.12513e-05 (1.10199e-03)
704	2.18694e-04 (4.44162e-05)	2.18686e-04 (4.41639e-05)	2.18668e-04 (4.44204e-05)	2.18668e-04 (4.44204e-05)
804	2.06208e-04 (4.01884e-04)	2.06203e-04 (3.69127e-05)	2.06121e-04 (4.01954e-04)	2.06121e-04 (4.01954e-04)
904	5.99310e-05 (7.64391e-04)	6.00210e-05 (3.63725e-05)	6.00186e-05 (3.63787e-05)	6.00186e-05 (3.63787e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 8, Alternate Approach: 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	8.61028e-06 (6.64583e-04)	8.60917e-06 (3.78308e-05)	8.60771e-06 (3.58187e-05)	8.60771e-06 (3.58187e-05)
204	8.27180e-06 (2.06563e-03)	8.28529e-06 (3.75908e-05)	8.28970e-06 (3.11411e-04)	8.28970e-06 (3.11411e-04)
304	8.27102e-06 (2.06471e-03)	8.28428e-06 (3.55602e-05)	8.28121e-06 (3.11326e-04)	8.28121e-06 (3.11326e-04)
404	8.16666e-06 (6.98390e-03)	8.16270e-06 (3.56152e-05)	8.15491e-06 (1.10009e-03)	8.15491e-06 (1.10009e-03)
504	8.44900e-06 (6.85804e-03)	8.33600e-06 (3.56169e-05)	8.34454e-06 (1.08846e-03)	8.34454e-06 (1.08846e-03)
604	8.18750e-06 (6.96389e-03)	8.26433e-06 (3.56166e-05)	8.25339e-06 (1.09413e-03)	8.25339e-06 (1.09413e-03)
704	1.91854e-04 (1.27255e-05)	1.91847e-04 (1.27389e-05)	1.91851e-04 (1.27314e-05)	1.91851e-04 (1.27314e-05)
804	1.93807e-03 (5.09435e-05)	1.93801e-03 (5.09462e-05)	1.93805e-03 (5.09473e-05)	1.93805e-03 (5.09473e-05)
904	3.40453e-05 (1.01864e-03)	3.40649e-05 (3.62962e-05)	3.40663e-05 (3.62884e-05)	3.40663e-05 (3.62884e-05)

Source Cell: 9, Alternate Approach: 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.02193e-05 (3.43198e-04)	3.02157e-05 (3.77513e-05)	3.02161e-05 (3.62409e-05)	3.02161e-05 (3.62409e-05)
204	2.38312e-05 (1.21244e-03)	2.38518e-05 (3.72870e-05)	2.38489e-05 (3.48227e-04)	2.38489e-05 (3.48227e-04)
304	3.03145e-05 (1.07487e-03)	3.03426e-05 (3.56119e-05)	3.03438e-05 (3.05384e-04)	3.03438e-05 (3.05384e-04)
404	2.22827e-05 (4.22231e-03)	2.20917e-05 (3.56155e-05)	2.20505e-05 (1.26045e-03)	2.20505e-05 (1.26045e-03)
504	2.52847e-05 (3.96559e-03)	2.52667e-05 (3.56147e-05)	2.53074e-05 (1.17689e-03)	2.53074e-05 (1.17689e-03)
604	3.01155e-05 (3.63292e-03)	3.01028e-05 (3.56241e-05)	3.01195e-05 (1.07772e-03)	3.01195e-05 (1.07772e-03)
704	3.00505e-05 (3.43865e-04)	3.00608e-05 (3.75274e-05)	3.00624e-05 (3.67103e-05)	3.00624e-05 (3.67103e-05)
804	2.78383e-05 (1.12740e-03)	2.79360e-05 (3.62671e-05)	2.79441e-05 (3.21485e-04)	2.79441e-05 (3.21485e-04)
904	2.16628e-03 (3.24366e-05)	2.16628e-03 (3.24372e-05)	2.16643e-03 (3.24319e-05)	2.16643e-03 (3.24319e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 0, Alternate Approach: 1 & 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.33158e-05 (3.25615e-04)	3.33308e-05 (3.76255e-05)	3.33322e-05 (3.64959e-05)	3.33322e-05 (3.64959e-05)
204	2.90895e-05 (1.09809e-03)	2.91011e-05 (3.73967e-05)	2.91093e-05 (3.30085e-04)	2.91093e-05 (3.30085e-04)
304	2.90260e-05 (1.09876e-03)	2.90865e-05 (3.56085e-05)	2.90842e-05 (3.30056e-04)	2.90842e-05 (3.30056e-04)
404	2.77921e-05 (3.77932e-03)	2.77362e-05 (3.56188e-05)	2.77520e-05 (1.17965e-03)	2.77520e-05 (1.17965e-03)
504	2.96223e-05 (3.66354e-03)	2.97039e-05 (3.56212e-05)	2.97090e-05 (1.14063e-03)	2.97090e-05 (1.14063e-03)
604	2.88519e-05 (3.70987e-04)	2.88672e-05 (3.56233e-05)	2.88896e-05 (1.15621e-03)	2.88896e-05 (1.15621e-03)
704	3.31295e-05 (3.25832e-04)	3.31121e-05 (3.76060e-05)	3.31134e-05 (3.68233e-03)	3.31134e-05 (3.68233e-05)
804	3.05217e-05 (1.07618e-03)	3.05397e-05 (3.62795e-05)	3.05373e-05 (3.23187e-04)	3.05373e-05 (3.23187e-04)
904	2.06176e-04 (4.01916e-04)	2.06197e-04 (3.69095e-05)	2.06196e-04 (3.69099e-05)	2.06196e-04 (3.69099e-05)

Source Cell: 1, Alternate Approach: 1 & 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.23215e-04 (4.39606e-05)	2.23224e-04 (4.31028e-05)	2.23225e-04 (4.30701e-05)	2.23225e-04 (4.30701e-05)
204	1.56191e-04 (4.63554e-04)	1.56059e-04 (3.73274e-05)	1.56064e-04 (3.48186e-05)	1.56064e-04 (3.48186e-05)
304	1.55704e-04 (4.64378e-04)	1.55855e-04 (3.59276e-05)	1.55859e-04 (3.51434e-05)	1.55859e-04 (3.51434e-05)
404	1.24552e-04 (1.78345e-03)	1.24550e-04 (3.56487e-05)	1.24588e-04 (3.86119e-04)	1.24588e-04 (3.86119e-04)
504	1.74025e-04 (1.50777e-03)	1.74231e-04 (3.56614e-05)	1.74194e-04 (3.22080e-04)	1.74194e-04 (3.22080e-04)
604	1.49326e-04 (1.62829e-03)	1.49822e-04 (3.56543e-05)	1.49809e-04 (3.49757e-04)	1.49809e-04 (3.49757e-04)
704	1.18699e-05 (5.63046e-04)	1.18632e-05 (3.71079e-05)	1.18641e-05 (3.61102e-05)	1.18641e-05 (3.61102e-05)
804	1.15455e-05 (1.75600e-03)	1.15174e-05 (3.62269e-05)	1.15139e-05 (3.12356e-04)	1.15139e-05 (3.12356e-04)
904	6.00421e-05 (7.63799e-04)	6.00152e-05 (3.63836e-05)	6.00203e-05 (3.63794e-05)	6.00203e-05 (3.63794e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 2, Alternate Approach: 1 & 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80107e-04 (3.33618e-05)	1.80102e-04 (4.28903e-05)	1.80107e-04 (4.28784e-05)	1.80107e-04 (4.28784e-05)
204	1.97741e-03 (4.82783e-05)	1.97724e-03 (4.69483e-05)	1.97730e-03 (4.69466e-05)	1.97730e-03 (4.69466e-05)
304	1.52214e-04 (4.70005e-04)	1.52157e-04 (3.59181e-05)	1.52144e-04 (3.51306e-05)	1.52144e-04 (3.51306e-05)
404	1.25172e-03 (5.53194e-04)	1.25052e-03 (3.60022e-05)	1.25046e-03 (3.60021e-05)	1.25046e-03 (3.60021e-05)
504	1.25085e-03 (5.53401e-04)	1.25050e-03 (3.60010e-05)	1.25054e-03 (3.59953e-05)	1.25054e-03 (3.59953e-05)
604	1.46427e-04 (1.64416e-03)	1.46402e-04 (3.56545e-05)	1.46335e-04 (3.49624e-04)	1.46335e-04 (3.49624e-04)
704	8.46482e-06 (6.70079e-04)	8.46470e-06 (3.70415e-05)	8.46437e-06 (3.60125e-05)	8.46437e-06 (3.60125e-05)
804	8.27382e-06 (2.07533e-03)	8.28331e-06 (3.62160e-05)	8.28204e-06 (3.10708e-04)	8.28204e-06 (3.10708e-04)
904	2.70518e-05 (1.14401e-03)	2.70632e-05 (3.62736e-05)	2.70625e-05 (3.62716e-05)	2.70625e-05 (3.62716e-05)

Source Cell: 3, Alternate Approach: 1 & 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.80120e-04 (3.33603e-05)	1.80104e-04 (4.15707e-05)	1.80126e-04 (4.15463e-05)	1.80126e-04 (4.15463e-05)
204	1.51515e-04 (4.69381e-04)	1.51612e-04 (4.01642e-05)	1.51616e-04 (3.45317e-05)	1.51616e-04 (3.45317e-05)
304	1.94527e-03 (4.84184e-05)	1.94521e-03 (4.73245e-05)	1.94523e-03 (4.73230e-05)	1.94523e-03 (4.73230e-05)
404	1.07016e-04 (1.92400e-03)	1.07116e-04 (3.56452e-05)	1.07075e-04 (4.13152e-04)	1.07075e-04 (4.13152e-04)
504	2.10011e-04 (1.37174e-03)	2.10304e-04 (3.56735e-05)	2.10309e-04 (2.86308e-04)	2.10309e-04 (2.86308e-04)
604	1.67883e-03 (4.74534e-04)	1.67764e-03 (3.61423e-05)	1.67765e-03 (3.61445e-05)	1.67765e-03 (3.61445e-05)
704	8.45751e-06 (6.70440e-04)	8.46408e-06 (3.70485e-05)	8.46426e-06 (3.60174e-05)	8.46426e-06 (3.60174e-05)
804	8.27668e-06 (2.07435e-03)	8.28277e-06 (3.62211e-05)	8.28300e-06 (3.10685e-04)	8.28300e-06 (3.10685e-04)
904	3.98766e-05 (9.40164e-04)	3.98949e-05 (3.63135e-05)	3.98963e-05 (3.63149e-05)	3.98963e-05 (3.63149e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 4, Alternate Approach: 1 & 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.63791e-04 (3.65914e-05)	1.63784e-04 (4.05361e-05)	1.63780e-04 (4.01298e-05)	1.63780e-04 (4.01298e-05)
204	1.67081e-03 (3.38610e-05)	1.67075e-03 (3.49175e-05)	1.67073e-03 (3.49195e-05)	1.67073e-03 (3.49195e-05)
304	1.17750e-04 (5.37443e-04)	1.17786e-04 (3.58237e-05)	1.17820e-04 (2.48287e-04)	1.17820e-04 (2.48287e-04)
404	2.21214e-02 (4.70968e-05)	2.21228e-02 (4.70934e-05)	2.21246e-02 (4.70887e-05)	2.21246e-02 (4.70887e-05)
504	1.19233e-03 (5.67266e-04)	1.19349e-03 (3.59801e-05)	1.19355e-03 (3.59790e-05)	1.19355e-03 (3.59790e-05)
604	1.13941e-04 (1.86415e-03)	1.14323e-04 (3.56448e-05)	1.14328e-04 (3.29303e-04)	1.14328e-04 (3.29303e-04)
704	7.49023e-06 (7.13430e-04)	7.49126e-06 (3.70321e-05)	7.49141e-06 (3.59903e-05)	7.49141e-06 (3.59903e-05)
804	7.33604e-06 (2.20360e-03)	7.34856e-06 (3.62145e-05)	7.34846e-06 (3.10206e-04)	7.34846e-06 (3.10206e-04)
904	2.13911e-05 (1.28732e-03)	2.13785e-05 (3.62562e-05)	2.13783e-05 (3.62546e-05)	2.13783e-05 (3.62546e-05)

Source Cell: 5, Alternate Approach: 1 & 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.78000e-04 (3.29130e-05)	1.77993e-04 (4.18572e-05)	1.78005e-04 (3.65555e-05)	1.78005e-04 (3.65555e-05)
204	1.67074e-03 (3.38657e-05)	1.67085e-03 (3.49129e-05)	1.67070e-03 (3.49155e-05)	1.67070e-03 (3.49155e-05)
304	2.55810e-04 (3.56048e-04)	2.55831e-04 (3.62332e-05)	2.55698e-04 (3.56134e-04)	2.55698e-04 (3.56134e-04)
404	1.19473e-03 (5.66845e-04)	1.19351e-03 (3.59838e-05)	1.19350e-03 (3.59811e-05)	1.19350e-03 (3.59811e-05)
504	2.21219e-02 (4.70919e-05)	2.21228e-02 (4.70959e-05)	2.21237e-02 (4.70949e-05)	2.21237e-02 (4.70949e-05)
604	2.39402e-04 (1.28409e-03)	2.39608e-04 (3.56787e-05)	2.39451e-04 (1.28376e-03)	2.39451e-04 (1.28376e-03)
704	7.64002e-06 (7.06146e-04)	7.63742e-06 (3.70352e-05)	7.63783e-06 (3.59966e-05)	7.63783e-06 (3.59966e-05)
804	7.49392e-06 (2.17924e-03)	7.48987e-06 (3.62080e-05)	7.49114e-06 (3.10232e-04)	7.49114e-06 (3.10232e-04)
904	2.49909e-05 (1.19041e-03)	2.50078e-05 (3.62622e-05)	2.50077e-05 (3.62624e-05)	2.50077e-05 (3.62624e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 6, Alternate Approach: 1 & 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.68349e-04 (3.50615e-05)	1.68354e-04 (3.86019e-05)	1.68351e-04 (3.50596e-05)	1.68351e-04 (3.50596e-05)
204	1.66351e-04 (4.47500e-04)	1.66273e-04 (4.11994e-05)	1.66336e-04 (4.47500e-04)	1.66336e-04 (4.47500e-04)
304	1.79462e-03 (7.42720e-06)	1.79462e-03 (7.42763e-06)	1.79465e-03 (7.42106e-06)	1.79465e-03 (7.42106e-06)
404	1.14345e-04 (1.86129e-03)	1.14328e-04 (3.56453e-05)	1.14458e-04 (1.86040e-03)	1.14458e-04 (1.86040e-03)
504	2.39993e-04 (1.28233e-03)	2.39617e-04 (3.56777e-05)	2.39481e-04 (1.28421e-03)	2.39481e-04 (1.28421e-03)
604	2.21243e-02 (4.70891e-05)	2.21225e-02 (4.70890e-05)	2.21228e-02 (4.70904e-05)	2.21228e-02 (4.70904e-05)
704	7.56661e-06 (7.09745e-04)	7.57738e-06 (3.70282e-05)	7.57754e-06 (3.59931e-05)	7.57754e-06 (3.59931e-05)
804	7.44681e-06 (2.18759e-03)	7.43104e-06 (3.62151e-05)	7.42703e-06 (3.10344e-04)	7.42703e-06 (3.10344e-04)
904	3.20407e-05 (1.05027e-03)	3.20622e-05 (3.62805e-05)	3.20613e-05 (3.62861e-05)	3.20613e-05 (3.62861e-05)

Source Cell: 7, Alternate Approach: 1 & 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.19073e-05 (5.62460e-04)	1.18954e-05 (3.77487e-05)	1.18957e-05 (3.58863e-05)	1.18957e-05 (3.58863e-05)
204	1.13147e-05 (1.76559e-03)	1.12971e-05 (3.75506e-05)	1.13011e-05 (3.13882e-04)	1.13011e-05 (3.13882e-04)
304	1.13273e-05 (1.76429e-03)	1.12952e-05 (3.55675e-05)	1.12931e-05 (3.13733e-04)	1.12931e-05 (3.13733e-04)
404	1.10619e-05 (5.99003e-03)	1.10755e-05 (3.56200e-05)	1.11003e-05 (1.10904e-03)	1.11003e-05 (1.10904e-03)
504	1.14450e-05 (5.88607e-03)	1.13909e-05 (3.56136e-05)	1.13988e-05 (1.09534e-03)	1.13988e-05 (1.09534e-03)
604	1.12366e-05 (5.94727e-03)	1.12600e-05 (3.56149e-05)	1.12592e-05 (1.10181e-03)	1.12592e-05 (1.10181e-03)
704	2.18694e-04 (4.44162e-05)	2.18686e-04 (4.41639e-05)	2.18673e-04 (4.41671e-05)	2.18673e-04 (4.41671e-05)
804	2.06208e-04 (4.01884e-04)	2.06203e-04 (3.69127e-05)	2.06197e-04 (3.69100e-05)	2.06197e-04 (3.69100e-05)
904	5.99310e-05 (7.64391e-04)	6.00210e-05 (3.63725e-05)	6.00171e-05 (3.63800e-05)	6.00171e-05 (3.63800e-05)

Fairness Comparison Tables: Pure Absorber

Source Cell: 8, Alternate Approach: 1 & 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	8.61028e-06 (6.64583e-04)	8.60917e-06 (3.78308e-05)	8.60824e-06 (3.58140e-05)	8.60824e-06 (3.58140e-05)
204	8.27180e-06 (2.06563e-03)	8.28529e-06 (3.75908e-05)	8.28548e-06 (3.11466e-04)	8.28548e-06 (3.11466e-04)
304	8.27102e-06 (2.06471e-03)	8.28428e-06 (3.55602e-05)	8.28712e-06 (3.11239e-04)	8.28712e-06 (3.11239e-04)
404	8.16666e-06 (6.98390e-03)	8.16270e-06 (3.56152e-05)	8.17182e-06 (1.09894e-03)	8.17182e-06 (1.09894e-03)
504	8.44900e-06 (6.85804e-03)	8.33600e-06 (3.56169e-05)	8.32126e-06 (1.08998e-03)	8.32126e-06 (1.08998e-03)
604	8.18750e-06 (6.96389e-03)	8.26433e-06 (3.56166e-05)	8.25598e-06 (1.09408e-03)	8.25598e-06 (1.09408e-03)
704	1.91854e-04 (1.27255e-05)	1.91847e-04 (1.27389e-05)	1.91852e-04 (1.27305e-05)	1.91852e-04 (1.27305e-05)
804	1.93807e-03 (5.09435e-05)	1.93801e-03 (5.09462e-05)	1.93795e-03 (5.09479e-05)	1.93795e-03 (5.09479e-05)
904	3.40453e-05 (1.01864e-03)	3.40649e-05 (3.62962e-05)	3.40646e-05 (3.62951e-05)	3.40646e-05 (3.62951e-05)

Source Cell: 9, Alternate Approach: 1 & 2 & 3, Material: Pure Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.02193e-05 (3.43198e-04)	3.02157e-05 (3.77513e-05)	3.02130e-05 (3.62453e-05)	3.02130e-05 (3.62453e-05)
204	2.38312e-05 (1.21244e-03)	2.38518e-05 (3.72870e-05)	2.38375e-05 (3.48294e-04)	2.38375e-05 (3.48294e-04)
304	3.03145e-05 (1.07487e-03)	3.03426e-05 (3.56119e-05)	3.03413e-05 (3.05396e-04)	3.03413e-05 (3.05396e-04)
404	2.22827e-05 (4.22231e-03)	2.20917e-05 (3.56155e-05)	2.20746e-05 (1.25992e-03)	2.20746e-05 (1.25992e-03)
504	2.52847e-05 (3.96559e-03)	2.52667e-05 (3.56147e-05)	2.52360e-05 (1.17854e-03)	2.52360e-05 (1.17854e-03)
604	3.01155e-05 (3.63292e-03)	3.01028e-05 (3.56241e-05)	3.01044e-05 (1.07796e-03)	3.01044e-05 (1.07796e-03)
704	3.00505e-05 (3.43865e-04)	3.00608e-05 (3.75274e-05)	3.00617e-05 (3.67162e-05)	3.00617e-05 (3.67162e-05)
804	2.78383e-05 (1.12740e-03)	2.79360e-05 (3.62671e-05)	2.79313e-05 (3.21520e-04)	2.79313e-05 (3.21520e-04)
904	2.16628e-03 (3.24366e-05)	2.16628e-03 (3.24372e-05)	2.16638e-03 (3.24346e-05)	2.16638e-03 (3.24346e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 0, Alternate Approach: 1, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.57618e-05 (3.16643e-04)	3.57589e-05 (4.26987e-05)	3.57953e-05 (4.17536e-05)	3.57953e-05 (4.17536e-05)
204	3.14734e-05 (1.05933e-03)	3.14566e-05 (4.41711e-05)	3.14888e-05 (3.16234e-04)	3.14888e-05 (3.16234e-04)
304	3.14395e-05 (1.05925e-03)	3.14406e-05 (4.25897e-05)	3.14902e-05 (3.16022e-04)	3.14902e-05 (3.16022e-04)
404	3.02068e-05 (3.63054e-03)	3.00319e-05 (4.38052e-05)	3.00395e-05 (1.12370e-03)	3.00395e-05 (1.12370e-03)
504	3.20751e-05 (3.52422e-03)	3.21030e-05 (4.27089e-05)	3.21954e-05 (1.08574e-03)	3.21954e-05 (1.08574e-03)
604	3.10838e-05 (3.57732e-03)	3.12224e-05 (4.27262e-05)	3.12540e-05 (1.10134e-03)	3.12540e-05 (1.10134e-03)
704	3.55435e-05 (3.16995e-04)	3.55364e-05 (4.26553e-05)	3.55670e-05 (4.20704e-05)	3.55670e-05 (4.20704e-05)
804	3.29759e-05 (1.03936e-03)	3.29691e-05 (4.25429e-05)	3.29869e-05 (3.09828e-04)	3.29869e-05 (3.09828e-04)
904	2.13243e-04 (3.96540e-04)	2.13344e-04 (3.99500e-05)	2.13428e-04 (4.02162e-05)	2.13428e-04 (4.02162e-05)

Source Cell: 1, Alternate Approach: 1, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.29131e-04 (4.49270e-05)	2.29121e-04 (4.30427e-05)	2.29141e-04 (4.30023e-05)	2.29141e-04 (4.30023e-05)
204	1.62238e-04 (4.56261e-04)	1.62167e-04 (4.15048e-05)	1.62240e-04 (4.30086e-05)	1.62240e-04 (4.30086e-05)
304	1.61876e-04 (4.56939e-04)	1.61961e-04 (4.02486e-05)	1.62052e-04 (4.33011e-05)	1.62052e-04 (4.33011e-05)
404	1.30086e-04 (1.74712e-03)	1.30056e-04 (4.07095e-05)	1.30124e-04 (3.84696e-04)	1.30124e-04 (3.84696e-04)
504	1.81212e-04 (1.47898e-03)	1.80873e-04 (4.01436e-05)	1.81064e-04 (3.21331e-04)	1.81064e-04 (3.21331e-04)
604	1.55942e-04 (1.59424e-03)	1.55929e-04 (3.99898e-05)	1.56018e-04 (3.48449e-04)	1.56018e-04 (3.48449e-04)
704	1.31479e-05 (5.39451e-04)	1.31504e-05 (5.20324e-05)	1.31809e-05 (5.20979e-04)	1.31809e-05 (5.20979e-04)
804	1.27868e-05 (1.67418e-03)	1.28082e-05 (5.05249e-05)	1.28332e-05 (1.60625e-03)	1.28332e-05 (1.60625e-03)
904	6.35974e-05 (7.44717e-04)	6.36756e-05 (4.83429e-05)	6.37140e-05 (7.30436e-04)	6.37140e-05 (7.30436e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 2, Alternate Approach: 1, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86188e-04 (3.54107e-05)	1.86193e-04 (4.29522e-05)	1.86210e-04 (4.11051e-05)	1.86210e-04 (4.11051e-05)
204	1.99620e-03 (4.87053e-05)	1.99623e-03 (4.68752e-05)	1.99624e-03 (4.69102e-05)	1.99624e-03 (4.69102e-05)
304	1.58064e-04 (4.62804e-04)	1.58154e-04 (3.99901e-05)	1.58437e-04 (4.54284e-04)	1.58437e-04 (4.54284e-04)
404	1.26913e-03 (5.50004e-04)	1.26915e-03 (3.80359e-05)	1.26934e-03 (4.11107e-05)	1.26934e-03 (4.11107e-05)
504	1.26833e-03 (5.50166e-04)	1.26921e-03 (3.80554e-05)	1.26946e-03 (4.13065e-05)	1.26946e-03 (4.13065e-05)
604	1.52655e-04 (1.61257e-03)	1.52400e-04 (3.98025e-05)	1.52835e-04 (1.58692e-03)	1.52835e-04 (1.58692e-03)
704	9.46025e-06 (6.39408e-04)	9.47691e-06 (5.79226e-05)	9.50195e-06 (6.15157e-04)	9.50195e-06 (6.15157e-04)
804	9.30124e-06 (1.96364e-03)	9.29968e-06 (5.55055e-05)	9.30356e-06 (1.88133e-03)	9.30356e-06 (1.88133e-03)
904	2.93514e-05 (1.10246e-03)	2.93210e-05 (6.02498e-05)	2.94775e-05 (1.07145e-03)	2.94775e-05 (1.07145e-03)

Source Cell: 3, Alternate Approach: 1, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86182e-04 (3.54082e-05)	1.86171e-04 (4.16078e-05)	1.86193e-04 (3.94100e-05)	1.86193e-04 (3.94100e-05)
204	1.57514e-04 (4.61870e-04)	1.57602e-04 (4.41339e-05)	1.57991e-04 (4.55309e-04)	1.57991e-04 (4.55309e-04)
304	1.96396e-03 (4.88608e-05)	1.96393e-03 (4.72593e-05)	1.96388e-03 (4.73008e-05)	1.96388e-03 (4.73008e-05)
404	1.12318e-04 (1.88118e-03)	1.12155e-04 (4.04530e-05)	1.12216e-04 (1.84804e-03)	1.12216e-04 (1.84804e-03)
504	2.17480e-04 (1.34936e-03)	2.17634e-04 (3.99701e-05)	2.18486e-04 (1.33067e-03)	2.18486e-04 (1.33067e-03)
604	1.69912e-03 (4.72216e-04)	1.69929e-03 (3.76039e-05)	1.69928e-03 (3.94142e-05)	1.69928e-03 (3.94142e-05)
704	9.48161e-06 (6.38555e-04)	9.47751e-06 (5.67316e-05)	9.53643e-06 (6.13675e-04)	9.53643e-06 (6.13675e-04)
804	9.33276e-06 (1.96098e-03)	9.30085e-06 (5.47078e-05)	9.35063e-06 (1.87555e-03)	9.35063e-06 (1.87555e-03)
904	4.27664e-05 (9.11223e-04)	4.27550e-05 (5.37555e-05)	4.28838e-05 (8.90709e-04)	4.28838e-05 (8.90709e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 4, Alternate Approach: 1, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.69589e-04 (3.89734e-05)	1.69590e-04 (4.07068e-05)	1.69616e-04 (3.67404e-05)	1.69616e-04 (3.67404e-05)
204	1.69068e-03 (3.47869e-05)	1.69070e-03 (3.49040e-05)	1.69072e-03 (3.38928e-05)	1.69072e-03 (3.38928e-05)
304	1.22976e-04 (5.27780e-04)	1.22990e-04 (4.07867e-05)	1.23311e-04 (5.19208e-04)	1.23311e-04 (5.19208e-04)
404	2.21915e-02 (4.72393e-05)	2.21884e-02 (4.70674e-05)	2.21894e-02 (4.70747e-05)	2.21894e-02 (4.70747e-05)
504	1.21164e-03 (5.63351e-04)	1.21167e-03 (3.81622e-05)	1.21318e-03 (5.60078e-04)	1.21318e-03 (5.60078e-04)
604	1.19459e-04 (1.82379e-03)	1.19544e-04 (4.06508e-05)	1.20154e-04 (1.78758e-03)	1.20154e-04 (1.78758e-03)
704	8.41053e-06 (6.79143e-04)	8.41418e-06 (6.03103e-05)	8.45375e-06 (6.52103e-04)	8.45375e-06 (6.52103e-04)
804	8.29173e-06 (2.08075e-03)	8.27480e-06 (5.74981e-05)	8.30627e-06 (1.98927e-03)	8.30627e-06 (1.98927e-03)
904	2.33043e-05 (1.23833e-03)	2.33189e-05 (6.51092e-05)	2.34481e-05 (1.19750e-03)	2.34481e-05 (1.19750e-03)

Source Cell: 5, Alternate Approach: 1, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.84258e-04 (3.48269e-05)	1.84279e-04 (4.18473e-05)	1.84270e-04 (3.28508e-05)	1.84270e-04 (3.28508e-05)
204	1.69062e-03 (3.47851e-05)	1.69063e-03 (3.49231e-05)	1.69079e-03 (3.38953e-05)	1.69079e-03 (3.38953e-05)
304	2.63784e-04 (3.51771e-04)	2.63687e-04 (3.86469e-05)	2.63971e-04 (3.48580e-04)	2.63971e-04 (3.48580e-04)
404	1.21218e-03 (5.63179e-04)	1.21175e-03 (3.81683e-05)	1.21242e-03 (5.60195e-04)	1.21242e-03 (5.60195e-04)
504	2.21886e-02 (4.72396e-05)	2.21890e-02 (4.70650e-05)	2.21903e-02 (4.70742e-05)	2.21903e-02 (4.70742e-05)
604	2.47032e-04 (1.26542e-03)	2.47443e-04 (3.85156e-05)	2.47754e-04 (1.24989e-03)	2.47754e-04 (1.24989e-03)
704	8.57266e-06 (6.72532e-04)	8.57596e-06 (5.92845e-05)	8.61599e-06 (6.46251e-04)	8.61599e-06 (6.46251e-04)
804	8.43777e-06 (2.06321e-03)	8.43083e-06 (5.66951e-05)	8.48305e-06 (1.96911e-03)	8.48305e-06 (1.96911e-03)
904	2.71572e-05 (1.14624e-03)	2.71524e-05 (6.17059e-05)	2.72732e-05 (1.11336e-03)	2.72732e-05 (1.11336e-03)

Fairness Comparison Tables: 20% Absorber

Source Cell: 6, Alternate Approach: 1, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.74389e-04 (3.72438e-05)	1.74383e-04 (3.86649e-05)	1.74405e-04 (3.50763e-05)	1.74405e-04 (3.50763e-05)
204	1.72556e-04 (4.40792e-04)	1.72559e-04 (4.47060e-05)	1.72858e-04 (4.35428e-04)	1.72858e-04 (4.35428e-04)
304	1.81583e-03 (1.08254e-05)	1.81582e-03 (7.83588e-06)	1.81587e-03 (8.09636e-06)	1.81587e-03 (8.09636e-06)
404	1.19375e-04 (1.82442e-03)	1.19530e-04 (4.00042e-05)	1.20207e-04 (1.78871e-03)	1.20207e-04 (1.78871e-03)
504	2.47394e-04 (1.26457e-03)	2.47442e-04 (3.95848e-05)	2.48246e-04 (1.24968e-03)	2.48246e-04 (1.24968e-03)
604	2.21898e-02 (4.72400e-05)	2.21888e-02 (4.70656e-05)	2.21900e-02 (4.70717e-05)	2.21900e-02 (4.70717e-05)
704	8.51017e-06 (6.75077e-04)	8.50896e-06 (5.87861e-05)	8.57005e-06 (6.47342e-04)	8.57005e-06 (6.47342e-04)
804	8.34629e-06 (2.07286e-03)	8.36578e-06 (5.64711e-05)	8.45068e-06 (1.97118e-03)	8.45068e-06 (1.97118e-03)
904	3.45198e-05 (1.01563e-03)	3.45557e-05 (5.74358e-05)	3.46846e-05 (9.89211e-04)	3.46846e-05 (9.89211e-04)

Source Cell: 7, Alternate Approach: 1, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.31862e-05 (5.38894e-04)	1.31840e-05 (5.26088e-05)	1.32247e-05 (5.20500e-04)	1.32247e-05 (5.20500e-04)
204	1.25742e-05 (1.68081e-03)	1.25701e-05 (5.35825e-05)	1.26045e-05 (1.61374e-03)	1.26045e-05 (1.61374e-03)
304	1.26069e-05 (1.67817e-03)	1.25666e-05 (5.00227e-05)	1.26150e-05 (1.61188e-03)	1.26150e-05 (1.61188e-03)
404	1.25202e-05 (5.64185e-03)	1.23326e-05 (5.40997e-05)	1.24413e-05 (5.42957e-03)	1.24413e-05 (5.42957e-03)
504	1.25452e-05 (5.63907e-03)	1.26738e-05 (5.13264e-05)	1.27500e-05 (5.36241e-03)	1.27500e-05 (5.36241e-03)
604	1.25322e-05 (5.64384e-03)	1.25324e-05 (5.00901e-05)	1.25275e-05 (5.40973e-03)	1.25275e-05 (5.40973e-03)
704	2.24535e-04 (4.54341e-05)	2.24559e-04 (4.41075e-05)	2.24543e-04 (4.41028e-05)	2.24543e-04 (4.41028e-05)
804	2.13290e-04 (3.96451e-04)	2.13254e-04 (3.99786e-05)	2.13303e-04 (4.21307e-05)	2.13303e-04 (4.21307e-05)
904	6.36933e-05 (7.44184e-04)	6.36796e-05 (4.84510e-05)	6.37393e-05 (7.30368e-04)	6.37393e-05 (7.30368e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 8, Alternate Approach: 1, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.64650e-06 (6.33125e-04)	9.63359e-06 (5.78116e-05)	9.68393e-06 (6.09847e-04)	9.68393e-06 (6.09847e-04)
204	9.28962e-06 (1.95694e-03)	9.30134e-06 (5.85709e-05)	9.36309e-06 (1.87004e-03)	9.36309e-06 (1.87004e-03)
304	9.32345e-06 (1.95231e-03)	9.30028e-06 (5.45101e-05)	9.37348e-06 (1.86718e-03)	9.37348e-06 (1.86718e-03)
404	9.24740e-06 (6.55669e-03)	9.16834e-06 (5.94972e-05)	9.29865e-06 (6.26834e-03)	9.29865e-06 (6.26834e-03)
504	9.26469e-06 (6.55735e-03)	9.35950e-06 (5.60220e-05)	9.33939e-06 (6.24681e-03)	9.33939e-06 (6.24681e-03)
604	9.31484e-06 (6.53936e-03)	9.28036e-06 (5.45096e-05)	9.32271e-06 (6.24782e-03)	9.32271e-06 (6.24782e-03)
704	1.98281e-04 (1.73967e-05)	1.98278e-04 (1.33923e-05)	1.98296e-04 (1.34446e-05)	1.98296e-04 (1.34446e-05)
804	1.95702e-03 (5.13602e-05)	1.95704e-03 (5.08432e-05)	1.95679e-03 (5.08611e-05)	1.95679e-03 (5.08611e-05)
904	3.66048e-05 (9.85838e-04)	3.66676e-05 (5.62339e-05)	3.68478e-05 (9.60851e-04)	3.68478e-05 (9.60851e-04)

Source Cell: 9, Alternate Approach: 1, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.25179e-05 (3.33391e-04)	3.25110e-05 (4.37049e-05)	3.25549e-05 (3.25486e-04)	3.25549e-05 (3.25486e-04)
204	2.59413e-05 (1.16662e-03)	2.59332e-05 (4.50549e-05)	2.59756e-05 (1.12944e-03)	2.59756e-05 (1.12944e-03)
304	3.27775e-05 (1.03748e-03)	3.27568e-05 (4.31189e-05)	3.28807e-05 (1.00652e-03)	3.28807e-05 (1.00652e-03)
404	2.41452e-05 (4.06265e-03)	2.40796e-05 (4.46892e-05)	2.41110e-05 (3.92330e-03)	2.41110e-05 (3.92330e-03)
504	2.73734e-05 (3.81216e-03)	2.74342e-05 (4.36102e-05)	2.74128e-05 (3.68649e-03)	2.74128e-05 (3.68649e-03)
604	3.25659e-05 (3.49658e-03)	3.25156e-05 (4.32948e-05)	3.26673e-05 (3.38809e-03)	3.26673e-05 (3.38809e-03)
704	3.23582e-05 (3.33965e-04)	3.23543e-05 (4.34243e-05)	3.24295e-05 (3.25816e-04)	3.24295e-05 (3.25816e-04)
804	3.02311e-05 (1.08573e-03)	3.02332e-05 (4.32523e-05)	3.02871e-05 (1.05304e-03)	3.02871e-05 (1.05304e-03)
904	2.18712e-03 (3.30481e-05)	2.18724e-03 (3.24122e-05)	2.18726e-03 (3.24282e-05)	2.18726e-03 (3.24282e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 0, Alternate Approach: 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.57618e-05 (3.16643e-04)	3.57589e-05 (4.26987e-05)	3.57573e-05 (3.16665e-04)	3.57573e-05 (3.16665e-04)
204	3.14734e-05 (1.05933e-03)	3.14566e-05 (4.41711e-05)	3.14887e-05 (1.05912e-03)	3.14887e-05 (1.05912e-03)
304	3.14395e-05 (1.05925e-03)	3.14406e-05 (4.25897e-05)	3.14882e-05 (1.05846e-03)	3.14882e-05 (1.05846e-03)
404	3.02068e-05 (3.63054e-03)	3.00319e-05 (4.38052e-05)	3.00439e-05 (3.64170e-03)	3.00439e-05 (3.64170e-03)
504	3.20751e-05 (3.52422e-03)	3.21030e-05 (4.27089e-05)	3.22607e-05 (3.51453e-03)	3.22607e-05 (3.51453e-03)
604	3.10838e-05 (3.57732e-03)	3.12224e-05 (4.27262e-05)	3.12033e-05 (3.57317e-03)	3.12033e-05 (3.57317e-03)
704	3.55435e-05 (3.16995e-04)	3.55364e-05 (4.26553e-05)	3.55528e-05 (3.16978e-04)	3.55528e-05 (3.16978e-04)
804	3.29759e-05 (1.03936e-03)	3.29691e-05 (4.25429e-05)	3.29311e-05 (1.03984e-03)	3.29311e-05 (1.03984e-03)
904	2.13243e-04 (3.96540e-04)	2.13344e-04 (3.99500e-05)	2.13369e-04 (3.96398e-04)	2.13369e-04 (3.96398e-04)

Source Cell: 1, Alternate Approach: 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.29131e-04 (4.49270e-05)	2.29121e-04 (4.30427e-05)	2.29126e-04 (4.49291e-05)	2.29126e-04 (4.49291e-05)
204	1.62238e-04 (4.56261e-04)	1.62167e-04 (4.15048e-05)	1.62298e-04 (4.56065e-04)	1.62298e-04 (4.56065e-04)
304	1.61876e-04 (4.56939e-04)	1.61961e-04 (4.02486e-05)	1.61928e-04 (4.56750e-04)	1.61928e-04 (4.56750e-04)
404	1.30086e-04 (1.74712e-03)	1.30056e-04 (4.07095e-05)	1.30086e-04 (1.74614e-03)	1.30086e-04 (1.74614e-03)
504	1.81212e-04 (1.47898e-03)	1.80873e-04 (4.01436e-05)	1.80990e-04 (1.47918e-03)	1.80990e-04 (1.47918e-03)
604	1.55942e-04 (1.59424e-03)	1.55929e-04 (3.99898e-05)	1.55994e-04 (1.59498e-03)	1.55994e-04 (1.59498e-03)
704	1.31479e-05 (5.39451e-04)	1.31504e-05 (5.20324e-05)	1.31415e-05 (5.39620e-04)	1.31415e-05 (5.39620e-04)
804	1.27868e-05 (1.67418e-03)	1.28082e-05 (5.05249e-05)	1.27985e-05 (1.67356e-03)	1.27985e-05 (1.67356e-03)
904	6.35974e-05 (7.44717e-04)	6.36756e-05 (4.83429e-05)	6.36345e-05 (7.44583e-04)	6.36345e-05 (7.44583e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 2, Alternate Approach: 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86188e-04 (3.54107e-05)	1.86193e-04 (4.29522e-05)	1.86198e-04 (3.81628e-05)	1.86198e-04 (3.81628e-05)
204	1.99620e-03 (4.87053e-05)	1.99623e-03 (4.68752e-05)	1.99620e-03 (4.86824e-05)	1.99620e-03 (4.86824e-05)
304	1.58064e-04 (4.62804e-04)	1.58154e-04 (3.99901e-05)	1.58147e-04 (8.02569e-05)	1.58147e-04 (8.02569e-05)
404	1.26913e-03 (5.50004e-04)	1.26915e-03 (3.80359e-05)	1.27026e-03 (5.49636e-04)	1.27026e-03 (5.49636e-04)
504	1.26833e-03 (5.50166e-04)	1.26921e-03 (3.80554e-05)	1.26949e-03 (5.49864e-04)	1.26949e-03 (5.49864e-04)
604	1.52655e-04 (1.61257e-03)	1.52400e-04 (3.98025e-05)	1.52326e-04 (4.17909e-04)	1.52326e-04 (4.17909e-04)
704	9.46025e-06 (6.39408e-04)	9.47691e-06 (5.79226e-05)	9.48536e-06 (6.38017e-04)	9.48536e-06 (6.38017e-04)
804	9.30124e-06 (1.96364e-03)	9.29968e-06 (5.55055e-05)	9.30550e-06 (1.96188e-03)	9.30550e-06 (1.96188e-03)
904	2.93514e-05 (1.10246e-03)	2.93210e-05 (6.02498e-05)	2.93577e-05 (1.10116e-03)	2.93577e-05 (1.10116e-03)

Source Cell: 3, Alternate Approach: 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86182e-04 (3.54082e-05)	1.86171e-04 (4.16078e-05)	1.86188e-04 (3.81610e-05)	1.86188e-04 (3.81610e-05)
204	1.57514e-04 (4.61870e-04)	1.57602e-04 (4.41339e-05)	1.57615e-04 (8.02459e-05)	1.57615e-04 (8.02459e-05)
304	1.96396e-03 (4.88608e-05)	1.96393e-03 (4.72593e-05)	1.96398e-03 (4.88371e-05)	1.96398e-03 (4.88371e-05)
404	1.12318e-04 (1.88118e-03)	1.12155e-04 (4.04530e-05)	1.12123e-04 (5.03304e-04)	1.12123e-04 (5.03304e-04)
504	2.17480e-04 (1.34936e-03)	2.17634e-04 (3.99701e-05)	2.17657e-04 (3.36435e-04)	2.17657e-04 (3.36435e-04)
604	1.69912e-03 (4.72216e-04)	1.69929e-03 (3.76039e-05)	1.69829e-03 (4.72321e-04)	1.69829e-03 (4.72321e-04)
704	9.48161e-06 (6.38555e-04)	9.47751e-06 (5.67316e-05)	9.48292e-06 (6.38089e-04)	9.48292e-06 (6.38089e-04)
804	9.33276e-06 (1.96098e-03)	9.30085e-06 (5.47078e-05)	9.29212e-06 (1.96354e-03)	9.29212e-06 (1.96354e-03)
904	4.27664e-05 (9.11223e-04)	4.27550e-05 (5.37555e-05)	4.27662e-05 (9.10899e-04)	4.27662e-05 (9.10899e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 4, Alternate Approach: 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.69589e-04 (3.89734e-05)	1.69590e-04 (4.07068e-05)	1.69595e-04 (4.22958e-05)	1.69595e-04 (4.22958e-05)
204	1.69068e-03 (3.47869e-05)	1.69070e-03 (3.49040e-05)	1.69072e-03 (3.57998e-05)	1.69072e-03 (3.57998e-05)
304	1.22976e-04 (5.27780e-04)	1.22990e-04 (4.07867e-05)	1.23001e-04 (2.54394e-04)	1.23001e-04 (2.54394e-04)
404	2.21915e-02 (4.72393e-05)	2.21884e-02 (4.70674e-05)	2.21880e-02 (4.72419e-05)	2.21880e-02 (4.72419e-05)
504	1.21164e-03 (5.63351e-04)	1.21167e-03 (3.81622e-05)	1.21181e-03 (6.85208e-05)	1.21181e-03 (6.85208e-05)
604	1.19459e-04 (1.82379e-03)	1.19544e-04 (4.06508e-05)	1.19458e-04 (4.33325e-04)	1.19458e-04 (4.33325e-04)
704	8.41053e-06 (6.79143e-04)	8.41418e-06 (6.03103e-05)	8.41641e-06 (6.78435e-04)	8.41641e-06 (6.78435e-04)
804	8.29173e-06 (2.08075e-03)	8.27480e-06 (5.74981e-05)	8.27689e-06 (2.08091e-03)	8.27689e-06 (2.08091e-03)
904	2.33043e-05 (1.23833e-03)	2.33189e-05 (6.51092e-05)	2.33115e-05 (1.23697e-03)	2.33115e-05 (1.23697e-03)

Source Cell: 5, Alternate Approach: 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.84258e-04 (3.48269e-05)	1.84279e-04 (4.18473e-05)	1.84252e-04 (3.82360e-05)	1.84252e-04 (3.82360e-05)
204	1.69062e-03 (3.47851e-05)	1.69063e-03 (3.49231e-05)	1.69064e-03 (3.57716e-05)	1.69064e-03 (3.57716e-05)
304	2.63784e-04 (3.51771e-04)	2.63687e-04 (3.86469e-05)	2.63768e-04 (3.50903e-04)	2.63768e-04 (3.50903e-04)
404	1.21218e-03 (5.63179e-04)	1.21175e-03 (3.81683e-05)	1.21165e-03 (6.81834e-05)	1.21165e-03 (6.81834e-05)
504	2.21886e-02 (4.72396e-05)	2.21890e-02 (4.70650e-05)	2.21891e-02 (4.72319e-05)	2.21891e-02 (4.72319e-05)
604	2.47032e-04 (1.26542e-03)	2.47443e-04 (3.85156e-05)	2.47954e-04 (1.26062e-03)	2.47954e-04 (1.26062e-03)
704	8.57266e-06 (6.72532e-04)	8.57596e-06 (5.92845e-05)	8.57609e-06 (6.71914e-04)	8.57609e-06 (6.71914e-04)
804	8.43777e-06 (2.06321e-03)	8.43083e-06 (5.66951e-05)	8.45254e-06 (2.06023e-03)	8.45254e-06 (2.06023e-03)
904	2.71572e-05 (1.14624e-03)	2.71524e-05 (6.17059e-05)	2.71684e-05 (1.14569e-03)	2.71684e-05 (1.14569e-03)

Fairness Comparison Tables: 20% Absorber

Source Cell: 6, Alternate Approach: 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.74389e-04 (3.72438e-05)	1.74383e-04 (3.86649e-05)	1.74386e-04 (3.72624e-05)	1.74386e-04 (3.72624e-05)
204	1.72556e-04 (4.40792e-04)	1.72559e-04 (4.47060e-05)	1.72498e-04 (4.39585e-04)	1.72498e-04 (4.39585e-04)
304	1.81583e-03 (1.08254e-05)	1.81582e-03 (7.83588e-06)	1.81579e-03 (1.07468e-05)	1.81579e-03 (1.07468e-05)
404	1.19375e-04 (1.82442e-03)	1.19530e-04 (4.00042e-05)	1.19625e-04 (1.81704e-03)	1.19625e-04 (1.81704e-03)
504	2.47394e-04 (1.26457e-03)	2.47442e-04 (3.95848e-05)	2.47426e-04 (1.26116e-03)	2.47426e-04 (1.26116e-03)
604	2.21898e-02 (4.72400e-05)	2.21888e-02 (4.70656e-05)	2.21894e-02 (4.72388e-05)	2.21894e-02 (4.72388e-05)
704	8.51017e-06 (6.75077e-04)	8.50896e-06 (5.87861e-05)	8.50865e-06 (6.75163e-04)	8.50865e-06 (6.75163e-04)
804	8.34629e-06 (2.07286e-03)	8.36578e-06 (5.64711e-05)	8.36541e-06 (2.07158e-03)	8.36541e-06 (2.07158e-03)
904	3.45198e-05 (1.01563e-03)	3.45557e-05 (5.74358e-05)	3.45497e-05 (1.01545e-03)	3.45497e-05 (1.01545e-03)

Source Cell: 7, Alternate Approach: 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.31862e-05 (5.38894e-04)	1.31840e-05 (5.26088e-05)	1.31901e-05 (5.38804e-04)	1.31901e-05 (5.38804e-04)
204	1.25742e-05 (1.68081e-03)	1.25701e-05 (5.35825e-05)	1.25907e-05 (1.67993e-03)	1.25907e-05 (1.67993e-03)
304	1.26069e-05 (1.67817e-03)	1.25666e-05 (5.00227e-05)	1.25582e-05 (1.68080e-03)	1.25582e-05 (1.68080e-03)
404	1.25202e-05 (5.64185e-03)	1.23326e-05 (5.40997e-05)	1.24132e-05 (5.66383e-03)	1.24132e-05 (5.66383e-03)
504	1.25452e-05 (5.63907e-03)	1.26738e-05 (5.13264e-05)	1.25648e-05 (5.62389e-03)	1.25648e-05 (5.62389e-03)
604	1.25322e-05 (5.64384e-03)	1.25324e-05 (5.00901e-05)	1.25366e-05 (5.63327e-03)	1.25366e-05 (5.63327e-03)
704	2.24535e-04 (4.54341e-05)	2.24559e-04 (4.41075e-05)	2.24552e-04 (4.54326e-05)	2.24552e-04 (4.54326e-05)
804	2.13290e-04 (3.96451e-04)	2.13254e-04 (3.99786e-05)	2.13458e-04 (3.96258e-04)	2.13458e-04 (3.96258e-04)
904	6.36933e-05 (7.44184e-04)	6.36796e-05 (4.84510e-05)	6.37703e-05 (7.43725e-04)	6.37703e-05 (7.43725e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 8, Alternate Approach: 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.64650e-06 (6.33125e-04)	9.63359e-06 (5.78116e-05)	9.63767e-06 (6.33451e-04)	9.63767e-06 (6.33451e-04)
204	9.28962e-06 (1.95694e-03)	9.30134e-06 (5.85709e-05)	9.27041e-06 (1.95817e-03)	9.27041e-06 (1.95817e-03)
304	9.32345e-06 (1.95231e-03)	9.30028e-06 (5.45101e-05)	9.30734e-06 (1.95319e-03)	9.30734e-06 (1.95319e-03)
404	9.24740e-06 (6.55669e-03)	9.16834e-06 (5.94972e-05)	9.14339e-06 (6.60562e-03)	9.14339e-06 (6.60562e-03)
504	9.26469e-06 (6.55735e-03)	9.35950e-06 (5.60220e-05)	9.43454e-06 (6.49752e-03)	9.43454e-06 (6.49752e-03)
604	9.31484e-06 (6.53936e-03)	9.28036e-06 (5.45096e-05)	9.23280e-06 (6.55985e-03)	9.23280e-06 (6.55985e-03)
704	1.98281e-04 (1.73967e-05)	1.98278e-04 (1.33923e-05)	1.98284e-04 (1.73976e-05)	1.98284e-04 (1.73976e-05)
804	1.95702e-03 (5.13602e-05)	1.95704e-03 (5.08432e-05)	1.95687e-03 (5.13655e-05)	1.95687e-03 (5.13655e-05)
904	3.66048e-05 (9.85838e-04)	3.66676e-05 (5.62339e-05)	3.67056e-05 (9.84658e-04)	3.67056e-05 (9.84658e-04)

Source Cell: 9, Alternate Approach: 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.25179e-05 (3.33391e-04)	3.25110e-05 (4.37049e-05)	3.25202e-05 (3.33403e-04)	3.25202e-05 (3.33403e-04)
204	2.59413e-05 (1.16662e-03)	2.59332e-05 (4.50549e-05)	2.59530e-05 (1.16581e-03)	2.59530e-05 (1.16581e-03)
304	3.27775e-05 (1.03748e-03)	3.27568e-05 (4.31189e-05)	3.27762e-05 (1.03714e-03)	3.27762e-05 (1.03714e-03)
404	2.41452e-05 (4.06265e-03)	2.40796e-05 (4.46892e-05)	2.40156e-05 (4.06935e-03)	2.40156e-05 (4.06935e-03)
504	2.73734e-05 (3.81216e-03)	2.74342e-05 (4.36102e-05)	2.72921e-05 (3.81927e-03)	2.72921e-05 (3.81927e-03)
604	3.25659e-05 (3.49658e-03)	3.25156e-05 (4.32948e-05)	3.23941e-05 (3.50230e-03)	3.23941e-05 (3.50230e-03)
704	3.23582e-05 (3.33965e-04)	3.23543e-05 (4.34243e-05)	3.23462e-05 (3.34002e-04)	3.23462e-05 (3.34002e-04)
804	3.02311e-05 (1.08573e-03)	3.02332e-05 (4.32523e-05)	3.01970e-05 (1.08648e-03)	3.01970e-05 (1.08648e-03)
904	2.18712e-03 (3.30481e-05)	2.18724e-03 (3.24122e-05)	2.18705e-03 (3.30444e-05)	2.18705e-03 (3.30444e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 0, Alternate Approach: 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.57618e-05 (3.16643e-04)	3.57589e-05 (4.26987e-05)	3.57587e-05 (3.16675e-04)	3.57587e-05 (3.16675e-04)
204	3.14734e-05 (1.05933e-03)	3.14566e-05 (4.41711e-05)	3.14429e-05 (1.05990e-03)	3.14429e-05 (1.05990e-03)
304	3.14395e-05 (1.05925e-03)	3.14406e-05 (4.25897e-05)	3.14209e-05 (1.05963e-03)	3.14209e-05 (1.05963e-03)
404	3.02068e-05 (3.63054e-03)	3.00319e-05 (4.38052e-05)	3.00908e-05 (3.63766e-03)	3.00908e-05 (3.63766e-03)
504	3.20751e-05 (3.52422e-03)	3.21030e-05 (4.27089e-05)	3.21760e-05 (3.51791e-03)	3.21760e-05 (3.51791e-03)
604	3.10838e-05 (3.57732e-03)	3.12224e-05 (4.27262e-05)	3.12530e-05 (3.56819e-03)	3.12530e-05 (3.56819e-03)
704	3.55435e-05 (3.16995e-04)	3.55364e-05 (4.26553e-05)	3.55184e-05 (3.17109e-04)	3.55184e-05 (3.17109e-04)
804	3.29759e-05 (1.03936e-03)	3.29691e-05 (4.25429e-05)	3.29503e-05 (1.03959e-03)	3.29503e-05 (1.03959e-03)
904	2.13243e-04 (3.96540e-04)	2.13344e-04 (3.99500e-05)	2.13375e-04 (3.96426e-04)	2.13375e-04 (3.96426e-04)

Source Cell: 1, Alternate Approach: 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.29131e-04 (4.49270e-05)	2.29121e-04 (4.30427e-05)	2.29117e-04 (4.49132e-05)	2.29117e-04 (4.49132e-05)
204	1.62238e-04 (4.56261e-04)	1.62167e-04 (4.15048e-05)	1.62316e-04 (4.56119e-04)	1.62316e-04 (4.56119e-04)
304	1.61876e-04 (4.56939e-04)	1.61961e-04 (4.02486e-05)	1.62086e-04 (4.56587e-04)	1.62086e-04 (4.56587e-04)
404	1.30086e-04 (1.74712e-03)	1.30056e-04 (4.07095e-05)	1.29987e-04 (1.74756e-03)	1.29987e-04 (1.74756e-03)
504	1.81212e-04 (1.47898e-03)	1.80873e-04 (4.01436e-05)	1.81093e-04 (1.47927e-03)	1.81093e-04 (1.47927e-03)
604	1.55942e-04 (1.59424e-03)	1.55929e-04 (3.99898e-05)	1.55551e-04 (1.59707e-03)	1.55551e-04 (1.59707e-03)
704	1.31479e-05 (5.39451e-04)	1.31504e-05 (5.20324e-05)	1.31520e-05 (1.36784e-04)	1.31520e-05 (1.36784e-04)
804	1.27868e-05 (1.67418e-03)	1.28082e-05 (5.05249e-05)	1.28090e-05 (4.90727e-04)	1.28090e-05 (4.90727e-04)
904	6.35974e-05 (7.44717e-04)	6.36756e-05 (4.83429e-05)	6.36610e-05 (1.42054e-04)	6.36610e-05 (1.42054e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 2, Alternate Approach: 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86188e-04 (3.54107e-05)	1.86193e-04 (4.29522e-05)	1.86192e-04 (3.53816e-05)	1.86192e-04 (3.53816e-05)
204	1.99620e-03 (4.87053e-05)	1.99623e-03 (4.68752e-05)	1.99597e-03 (4.87052e-05)	1.99597e-03 (4.87052e-05)
304	1.58064e-04 (4.62804e-04)	1.58154e-04 (3.99901e-05)	1.58130e-04 (4.62598e-04)	1.58130e-04 (4.62598e-04)
404	1.26913e-03 (5.50004e-04)	1.26915e-03 (3.80359e-05)	1.26954e-03 (5.49922e-04)	1.26954e-03 (5.49922e-04)
504	1.26833e-03 (5.50166e-04)	1.26921e-03 (3.80554e-05)	1.26921e-03 (5.49948e-04)	1.26921e-03 (5.49948e-04)
604	1.52655e-04 (1.61257e-03)	1.52400e-04 (3.98025e-05)	1.51963e-04 (1.61620e-03)	1.51963e-04 (1.61620e-03)
704	9.46025e-06 (6.39408e-04)	9.47691e-06 (5.79226e-05)	9.47822e-06 (1.68136e-04)	9.47822e-06 (1.68136e-04)
804	9.30124e-06 (1.96364e-03)	9.29968e-06 (5.55055e-05)	9.30675e-06 (5.71311e-04)	9.30675e-06 (5.71311e-04)
904	2.93514e-05 (1.10246e-03)	2.93210e-05 (6.02498e-05)	2.93172e-05 (2.40759e-04)	2.93172e-05 (2.40759e-04)

Source Cell: 3, Alternate Approach: 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86182e-04 (3.54082e-05)	1.86171e-04 (4.16078e-05)	1.86188e-04 (3.53815e-05)	1.86188e-04 (3.53815e-05)
204	1.57514e-04 (4.61870e-04)	1.57602e-04 (4.41339e-05)	1.57662e-04 (4.61668e-04)	1.57662e-04 (4.61668e-04)
304	1.96396e-03 (4.88608e-05)	1.96393e-03 (4.72593e-05)	1.96408e-03 (4.88523e-05)	1.96408e-03 (4.88523e-05)
404	1.12318e-04 (1.88118e-03)	1.12155e-04 (4.04530e-05)	1.12435e-04 (1.87990e-03)	1.12435e-04 (1.87990e-03)
504	2.17480e-04 (1.34936e-03)	2.17634e-04 (3.99701e-05)	2.18267e-04 (1.34654e-03)	2.18267e-04 (1.34654e-03)
604	1.69912e-03 (4.72216e-04)	1.69929e-03 (3.76039e-05)	1.69879e-03 (4.72234e-04)	1.69879e-03 (4.72234e-04)
704	9.48161e-06 (6.38555e-04)	9.47751e-06 (5.67316e-05)	9.47618e-06 (1.66216e-04)	9.47618e-06 (1.66216e-04)
804	9.33276e-06 (1.96098e-03)	9.30085e-06 (5.47078e-05)	9.28949e-06 (5.62692e-04)	9.28949e-06 (5.62692e-04)
904	4.27664e-05 (9.11223e-04)	4.27550e-05 (5.37555e-05)	4.27512e-05 (1.84323e-04)	4.27512e-05 (1.84323e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 4, Alternate Approach: 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.69589e-04 (3.89734e-05)	1.69590e-04 (4.07068e-05)	1.69582e-04 (3.89382e-05)	1.69582e-04 (3.89382e-05)
204	1.69068e-03 (3.47869e-05)	1.69070e-03 (3.49040e-05)	1.69069e-03 (3.47862e-05)	1.69069e-03 (3.47862e-05)
304	1.22976e-04 (5.27780e-04)	1.22990e-04 (4.07867e-05)	1.22969e-04 (5.27731e-04)	1.22969e-04 (5.27731e-04)
404	2.21915e-02 (4.72393e-05)	2.21884e-02 (4.70674e-05)	2.21884e-02 (4.72399e-05)	2.21884e-02 (4.72399e-05)
504	1.21164e-03 (5.63351e-04)	1.21167e-03 (3.81622e-05)	1.21159e-03 (5.63342e-04)	1.21159e-03 (5.63342e-04)
604	1.19459e-04 (1.82379e-03)	1.19544e-04 (4.06508e-05)	1.19183e-04 (1.82623e-03)	1.19183e-04 (1.82623e-03)
704	8.41053e-06 (6.79143e-04)	8.41418e-06 (6.03103e-05)	8.41556e-06 (1.81758e-04)	8.41556e-06 (1.81758e-04)
804	8.29173e-06 (2.08075e-03)	8.27480e-06 (5.74981e-05)	8.27568e-06 (6.04699e-04)	8.27568e-06 (6.04699e-04)
904	2.33043e-05 (1.23833e-03)	2.33189e-05 (6.51092e-05)	2.33110e-05 (2.82881e-04)	2.33110e-05 (2.82881e-04)

Source Cell: 5, Alternate Approach: 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.84258e-04 (3.48269e-05)	1.84279e-04 (4.18473e-05)	1.84243e-04 (3.47891e-05)	1.84243e-04 (3.47891e-05)
204	1.69062e-03 (3.47851e-05)	1.69063e-03 (3.49231e-05)	1.69086e-03 (3.47863e-05)	1.69086e-03 (3.47863e-05)
304	2.63784e-04 (3.51771e-04)	2.63687e-04 (3.86469e-05)	2.63474e-04 (3.51957e-04)	2.63474e-04 (3.51957e-04)
404	1.21218e-03 (5.63179e-04)	1.21175e-03 (3.81683e-05)	1.21097e-03 (5.63564e-04)	1.21097e-03 (5.63564e-04)
504	2.21886e-02 (4.72396e-05)	2.21890e-02 (4.70650e-05)	2.21881e-02 (4.72454e-05)	2.21881e-02 (4.72454e-05)
604	2.47032e-04 (1.26542e-03)	2.47443e-04 (3.85156e-05)	2.47877e-04 (1.26352e-03)	2.47877e-04 (1.26352e-03)
704	8.57266e-06 (6.72532e-04)	8.57596e-06 (5.92845e-05)	8.57843e-06 (1.77368e-04)	8.57843e-06 (1.77368e-04)
804	8.43777e-06 (2.06321e-03)	8.43083e-06 (5.66951e-05)	8.43025e-06 (5.92421e-04)	8.43025e-06 (5.92421e-04)
904	2.71572e-05 (1.14624e-03)	2.71524e-05 (6.17059e-05)	2.71432e-05 (2.50684e-04)	2.71432e-05 (2.50684e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 6, Alternate Approach: 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.74389e-04 (3.72438e-05)	1.74383e-04 (3.86649e-05)	1.74392e-04 (3.71995e-05)	1.74392e-04 (3.71995e-05)
204	1.72556e-04 (4.40792e-04)	1.72559e-04 (4.47060e-05)	1.72495e-04 (4.40879e-04)	1.72495e-04 (4.40879e-04)
304	1.81583e-03 (1.08254e-05)	1.81582e-03 (7.83588e-06)	1.81581e-03 (1.07994e-05)	1.81581e-03 (1.07994e-05)
404	1.19375e-04 (1.82442e-03)	1.19530e-04 (4.00042e-05)	1.19282e-04 (1.82464e-03)	1.19282e-04 (1.82464e-03)
504	2.47394e-04 (1.26457e-03)	2.47442e-04 (3.95848e-05)	2.47170e-04 (1.26533e-03)	2.47170e-04 (1.26533e-03)
604	2.21898e-02 (4.72400e-05)	2.21888e-02 (4.70656e-05)	2.21913e-02 (4.72375e-05)	2.21913e-02 (4.72375e-05)
704	8.51017e-06 (6.75077e-04)	8.50896e-06 (5.87861e-05)	8.51194e-06 (1.78148e-04)	8.51194e-06 (1.78148e-04)
804	8.34629e-06 (2.07286e-03)	8.36578e-06 (5.64711e-05)	8.36870e-06 (5.93689e-04)	8.36870e-06 (5.93689e-04)
904	3.45198e-05 (1.01563e-03)	3.45557e-05 (5.74358e-05)	3.45367e-05 (2.12326e-04)	3.45367e-05 (2.12326e-04)

Source Cell: 7, Alternate Approach: 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.31862e-05 (5.38894e-04)	1.31840e-05 (5.26088e-05)	1.31854e-05 (1.36533e-04)	1.31854e-05 (1.36533e-04)
204	1.25742e-05 (1.68081e-03)	1.25701e-05 (5.35825e-05)	1.25776e-05 (5.00989e-04)	1.25776e-05 (5.00989e-04)
304	1.26069e-05 (1.67817e-03)	1.25666e-05 (5.00227e-05)	1.25697e-05 (4.93519e-04)	1.25697e-05 (4.93519e-04)
404	1.25202e-05 (5.64185e-03)	1.23326e-05 (5.40997e-05)	1.23335e-05 (1.72299e-03)	1.23335e-05 (1.72299e-03)
504	1.25452e-05 (5.63907e-03)	1.26738e-05 (5.13264e-05)	1.27269e-05 (1.71999e-03)	1.27269e-05 (1.71999e-03)
604	1.25322e-05 (5.64384e-03)	1.25324e-05 (5.00901e-05)	1.25480e-05 (1.67291e-03)	1.25480e-05 (1.67291e-03)
704	2.24535e-04 (4.54341e-05)	2.24559e-04 (4.41075e-05)	2.24545e-04 (4.54253e-05)	2.24545e-04 (4.54253e-05)
804	2.13290e-04 (3.96451e-04)	2.13254e-04 (3.99786e-05)	2.13395e-04 (3.96296e-04)	2.13395e-04 (3.96296e-04)
904	6.36933e-05 (7.44184e-04)	6.36796e-05 (4.84510e-05)	6.36843e-05 (1.42656e-04)	6.36843e-05 (1.42656e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 8, Alternate Approach: 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.64650e-06 (6.33125e-04)	9.63359e-06 (5.78116e-05)	9.63484e-06 (1.64054e-04)	9.63484e-06 (1.64054e-04)
204	9.28962e-06 (1.95694e-03)	9.30134e-06 (5.85709e-05)	9.29911e-06 (5.65851e-04)	9.29911e-06 (5.65851e-04)
304	9.32345e-06 (1.95231e-03)	9.30028e-06 (5.45101e-05)	9.30048e-06 (5.59851e-04)	9.30048e-06 (5.59851e-04)
404	9.24740e-06 (6.55669e-03)	9.16834e-06 (5.94972e-05)	9.16791e-06 (1.93335e-03)	9.16791e-06 (1.93335e-03)
504	9.26469e-06 (6.55735e-03)	9.35950e-06 (5.60220e-05)	9.37506e-06 (1.92113e-03)	9.37506e-06 (1.92113e-03)
604	9.31484e-06 (6.53936e-03)	9.28036e-06 (5.45096e-05)	9.29336e-06 (1.89919e-03)	9.29336e-06 (1.89919e-03)
704	1.98281e-04 (1.73967e-05)	1.98278e-04 (1.33923e-05)	1.98283e-04 (1.73357e-05)	1.98283e-04 (1.73357e-05)
804	1.95702e-03 (5.13602e-05)	1.95704e-03 (5.08432e-05)	1.95683e-03 (5.13674e-05)	1.95683e-03 (5.13674e-05)
904	3.66048e-05 (9.85838e-04)	3.66676e-05 (5.62339e-05)	3.66569e-05 (2.02935e-04)	3.66569e-05 (2.02935e-04)

Source Cell: 9, Alternate Approach: 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.25179e-05 (3.33391e-04)	3.25110e-05 (4.37049e-05)	3.25137e-05 (7.92320e-05)	3.25137e-05 (7.92320e-05)
204	2.59413e-05 (1.16662e-03)	2.59332e-05 (4.50549e-05)	2.59342e-05 (4.09618e-04)	2.59342e-05 (4.09618e-04)
304	3.27775e-05 (1.03748e-03)	3.27568e-05 (4.31189e-05)	3.27587e-05 (3.57721e-04)	3.27587e-05 (3.57721e-04)
404	2.41452e-05 (4.06265e-03)	2.40796e-05 (4.46892e-05)	2.40837e-05 (1.46628e-03)	2.40837e-05 (1.46628e-03)
504	2.73734e-05 (3.81216e-03)	2.74342e-05 (4.36102e-05)	2.74729e-05 (1.36322e-03)	2.74729e-05 (1.36322e-03)
604	3.25659e-05 (3.49658e-03)	3.25156e-05 (4.32948e-05)	3.24772e-05 (1.24304e-03)	3.24772e-05 (1.24304e-03)
704	3.23582e-05 (3.33965e-04)	3.23543e-05 (4.34243e-05)	3.23530e-05 (7.96045e-05)	3.23530e-05 (7.96045e-05)
804	3.02311e-05 (1.08573e-03)	3.02332e-05 (4.32523e-05)	3.02245e-05 (3.75439e-04)	3.02245e-05 (3.75439e-04)
904	2.18712e-03 (3.30481e-05)	2.18724e-03 (3.24122e-05)	2.18719e-03 (3.30212e-05)	2.18719e-03 (3.30212e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 0, Alternate Approach: 1 & 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.57618e-05 (3.16643e-04)	3.57589e-05 (4.26987e-05)	3.57928e-05 (4.17593e-05)	3.57928e-05 (4.17593e-05)
204	3.14734e-05 (1.05933e-03)	3.14566e-05 (4.41711e-05)	3.14870e-05 (3.16263e-04)	3.14870e-05 (3.16263e-04)
304	3.14395e-05 (1.05925e-03)	3.14406e-05 (4.25897e-05)	3.14783e-05 (3.16081e-04)	3.14783e-05 (3.16081e-04)
404	3.02068e-05 (3.63054e-03)	3.00319e-05 (4.38052e-05)	3.00794e-05 (1.12304e-03)	3.00794e-05 (1.12304e-03)
504	3.20751e-05 (3.52422e-03)	3.21030e-05 (4.27089e-05)	3.20549e-05 (1.08819e-03)	3.20549e-05 (1.08819e-03)
604	3.10838e-05 (3.57732e-03)	3.12224e-05 (4.27262e-05)	3.12681e-05 (1.10118e-03)	3.12681e-05 (1.10118e-03)
704	3.55435e-05 (3.16995e-04)	3.55364e-05 (4.26553e-05)	3.55674e-05 (4.20582e-05)	3.55674e-05 (4.20582e-05)
804	3.29759e-05 (1.03936e-03)	3.29691e-05 (4.25429e-05)	3.29908e-05 (3.09813e-04)	3.29908e-05 (3.09813e-04)
904	2.13243e-04 (3.96540e-04)	2.13344e-04 (3.99500e-05)	2.13428e-04 (4.02100e-05)	2.13428e-04 (4.02100e-05)

Source Cell: 1, Alternate Approach: 1 & 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.29131e-04 (4.49270e-05)	2.29121e-04 (4.30427e-05)	2.29131e-04 (4.30023e-05)	2.29131e-04 (4.30023e-05)
204	1.62238e-04 (4.56261e-04)	1.62167e-04 (4.15048e-05)	1.62179e-04 (4.27952e-05)	1.62179e-04 (4.27952e-05)
304	1.61876e-04 (4.56939e-04)	1.61961e-04 (4.02486e-05)	1.61979e-04 (4.30792e-05)	1.61979e-04 (4.30792e-05)
404	1.30086e-04 (1.74712e-03)	1.30056e-04 (4.07095e-05)	1.30152e-04 (3.84481e-04)	1.30152e-04 (3.84481e-04)
504	1.81212e-04 (1.47898e-03)	1.80873e-04 (4.01436e-05)	1.80955e-04 (3.20951e-04)	1.80955e-04 (3.20951e-04)
604	1.55942e-04 (1.59424e-03)	1.55929e-04 (3.99898e-05)	1.56002e-04 (3.48333e-04)	1.56002e-04 (3.48333e-04)
704	1.31479e-05 (5.39451e-04)	1.31504e-05 (5.20324e-05)	1.31895e-05 (5.20789e-04)	1.31895e-05 (5.20789e-04)
804	1.27868e-05 (1.67418e-03)	1.28082e-05 (5.05249e-05)	1.28541e-05 (1.60501e-03)	1.28541e-05 (1.60501e-03)
904	6.35974e-05 (7.44717e-04)	6.36756e-05 (4.83429e-05)	6.37438e-05 (7.30178e-04)	6.37438e-05 (7.30178e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 2, Alternate Approach: 1 & 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86188e-04 (3.54107e-05)	1.86193e-04 (4.29522e-05)	1.86191e-04 (4.29580e-05)	1.86191e-04 (4.29580e-05)
204	1.99620e-03 (4.87053e-05)	1.99623e-03 (4.68752e-05)	1.99601e-03 (4.68933e-05)	1.99601e-03 (4.68933e-05)
304	1.58064e-04 (4.62804e-04)	1.58154e-04 (3.99901e-05)	1.58162e-04 (4.22142e-05)	1.58162e-04 (4.22142e-05)
404	1.26913e-03 (5.50004e-04)	1.26915e-03 (3.80359e-05)	1.26913e-03 (4.08595e-05)	1.26913e-03 (4.08595e-05)
504	1.26833e-03 (5.50166e-04)	1.26921e-03 (3.80554e-05)	1.26923e-03 (4.07452e-05)	1.26923e-03 (4.07452e-05)
604	1.52655e-04 (1.61257e-03)	1.52400e-04 (3.98025e-05)	1.52344e-04 (3.47033e-04)	1.52344e-04 (3.47033e-04)
704	9.46025e-06 (6.39408e-04)	9.47691e-06 (5.79226e-05)	9.51868e-06 (6.14321e-04)	9.51868e-06 (6.14321e-04)
804	9.30124e-06 (1.96364e-03)	9.29968e-06 (5.55055e-05)	9.34978e-06 (1.87786e-03)	9.34978e-06 (1.87786e-03)
904	2.93514e-05 (1.10246e-03)	2.93210e-05 (6.02498e-05)	2.94896e-05 (1.07035e-03)	2.94896e-05 (1.07035e-03)

Source Cell: 3, Alternate Approach: 1 & 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86182e-04 (3.54082e-05)	1.86171e-04 (4.16078e-05)	1.86189e-04 (4.15954e-05)	1.86189e-04 (4.15954e-05)
204	1.57514e-04 (4.61870e-04)	1.57602e-04 (4.41339e-05)	1.57615e-04 (4.22783e-05)	1.57615e-04 (4.22783e-05)
304	1.96396e-03 (4.88608e-05)	1.96393e-03 (4.72593e-05)	1.96395e-03 (4.72839e-05)	1.96395e-03 (4.72839e-05)
404	1.12318e-04 (1.88118e-03)	1.12155e-04 (4.04530e-05)	1.12164e-04 (4.09898e-04)	1.12164e-04 (4.09898e-04)
504	2.17480e-04 (1.34936e-03)	2.17634e-04 (3.99701e-05)	2.17696e-04 (2.85525e-04)	2.17696e-04 (2.85525e-04)
604	1.69912e-03 (4.72216e-04)	1.69929e-03 (3.76039e-05)	1.69913e-03 (3.92113e-05)	1.69913e-03 (3.92113e-05)
704	9.48161e-06 (6.38555e-04)	9.47751e-06 (5.67316e-05)	9.53769e-06 (6.13364e-04)	9.53769e-06 (6.13364e-04)
804	9.33276e-06 (1.96098e-03)	9.30085e-06 (5.47078e-05)	9.37426e-06 (1.87246e-03)	9.37426e-06 (1.87246e-03)
904	4.27664e-05 (9.11223e-04)	4.27550e-05 (5.37555e-05)	4.29120e-05 (8.90277e-04)	4.29120e-05 (8.90277e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 4, Alternate Approach: 1 & 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.69589e-04 (3.89734e-05)	1.69590e-04 (4.07068e-05)	1.69592e-04 (4.02826e-05)	1.69592e-04 (4.02826e-05)
204	1.69068e-03 (3.47869e-05)	1.69070e-03 (3.49040e-05)	1.69070e-03 (3.49525e-05)	1.69070e-03 (3.49525e-05)
304	1.22976e-04 (5.27780e-04)	1.22990e-04 (4.07867e-05)	1.22961e-04 (2.41265e-04)	1.22961e-04 (2.41265e-04)
404	2.21915e-02 (4.72393e-05)	2.21884e-02 (4.70674e-05)	2.21896e-02 (4.70732e-05)	2.21896e-02 (4.70732e-05)
504	1.21164e-03 (5.63351e-04)	1.21167e-03 (3.81622e-05)	1.21163e-03 (4.08343e-05)	1.21163e-03 (4.08343e-05)
604	1.19459e-04 (1.82379e-03)	1.19544e-04 (4.06508e-05)	1.19503e-04 (3.31960e-04)	1.19503e-04 (3.31960e-04)
704	8.41053e-06 (6.79143e-04)	8.41418e-06 (6.03103e-05)	8.44940e-06 (6.52035e-04)	8.44940e-06 (6.52035e-04)
804	8.29173e-06 (2.08075e-03)	8.27480e-06 (5.74981e-05)	8.32089e-06 (1.98745e-03)	8.32089e-06 (1.98745e-03)
904	2.33043e-05 (1.23833e-03)	2.33189e-05 (6.51092e-05)	2.34756e-05 (1.19640e-03)	2.34756e-05 (1.19640e-03)

Source Cell: 5, Alternate Approach: 1 & 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.84258e-04 (3.48269e-05)	1.84279e-04 (4.18473e-05)	1.84269e-04 (3.64925e-05)	1.84269e-04 (3.64925e-05)
204	1.69062e-03 (3.47851e-05)	1.69063e-03 (3.49231e-05)	1.69081e-03 (3.49366e-05)	1.69081e-03 (3.49366e-05)
304	2.63784e-04 (3.51771e-04)	2.63687e-04 (3.86469e-05)	2.63685e-04 (3.48156e-04)	2.63685e-04 (3.48156e-04)
404	1.21218e-03 (5.63179e-04)	1.21175e-03 (3.81683e-05)	1.21158e-03 (4.08475e-05)	1.21158e-03 (4.08475e-05)
504	2.21886e-02 (4.72396e-05)	2.21890e-02 (4.70650e-05)	2.21873e-02 (4.70711e-05)	2.21873e-02 (4.70711e-05)
604	2.47032e-04 (1.26542e-03)	2.47443e-04 (3.85156e-05)	2.47254e-04 (1.24917e-03)	2.47254e-04 (1.24917e-03)
704	8.57266e-06 (6.72532e-04)	8.57596e-06 (5.92845e-05)	8.60326e-06 (6.46354e-04)	8.60326e-06 (6.46354e-04)
804	8.43777e-06 (2.06321e-03)	8.43083e-06 (5.66951e-05)	8.46429e-06 (1.97133e-03)	8.46429e-06 (1.97133e-03)
904	2.71572e-05 (1.14624e-03)	2.71524e-05 (6.17059e-05)	2.72976e-05 (1.11295e-03)	2.72976e-05 (1.11295e-03)

Fairness Comparison Tables: 20% Absorber

Source Cell: 6, Alternate Approach: 1 & 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.74389e-04 (3.72438e-05)	1.74383e-04 (3.86649e-05)	1.74400e-04 (3.50870e-05)	1.74400e-04 (3.50870e-05)
204	1.72556e-04 (4.40792e-04)	1.72559e-04 (4.47060e-05)	1.72568e-04 (4.34894e-04)	1.72568e-04 (4.34894e-04)
304	1.81583e-03 (1.08254e-05)	1.81582e-03 (7.83588e-06)	1.81584e-03 (8.01910e-06)	1.81584e-03 (8.01910e-06)
404	1.19375e-04 (1.82442e-03)	1.19530e-04 (4.00042e-05)	1.19519e-04 (1.79044e-03)	1.19519e-04 (1.79044e-03)
504	2.47394e-04 (1.26457e-03)	2.47442e-04 (3.95848e-05)	2.47625e-04 (1.24803e-03)	2.47625e-04 (1.24803e-03)
604	2.21898e-02 (4.72400e-05)	2.21888e-02 (4.70656e-05)	2.21882e-02 (4.70720e-05)	2.21882e-02 (4.70720e-05)
704	8.51017e-06 (6.75077e-04)	8.50896e-06 (5.87861e-05)	8.56129e-06 (6.47598e-04)	8.56129e-06 (6.47598e-04)
804	8.34629e-06 (2.07286e-03)	8.36578e-06 (5.64711e-05)	8.41499e-06 (1.97435e-03)	8.41499e-06 (1.97435e-03)
904	3.45198e-05 (1.01563e-03)	3.45557e-05 (5.74358e-05)	3.46819e-05 (9.89483e-04)	3.46819e-05 (9.89483e-04)

Source Cell: 7, Alternate Approach: 1 & 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.31862e-05 (5.38894e-04)	1.31840e-05 (5.26088e-05)	1.32369e-05 (5.20284e-04)	1.32369e-05 (5.20284e-04)
204	1.25742e-05 (1.68081e-03)	1.25701e-05 (5.35825e-05)	1.26227e-05 (1.61303e-03)	1.26227e-05 (1.61303e-03)
304	1.26069e-05 (1.67817e-03)	1.25666e-05 (5.00227e-05)	1.26419e-05 (1.61091e-03)	1.26419e-05 (1.61091e-03)
404	1.25202e-05 (5.64185e-03)	1.23326e-05 (5.40997e-05)	1.24420e-05 (5.42744e-03)	1.24420e-05 (5.42744e-03)
504	1.25452e-05 (5.63907e-03)	1.26738e-05 (5.13264e-05)	1.27968e-05 (5.35342e-03)	1.27968e-05 (5.35342e-03)
604	1.25322e-05 (5.64384e-03)	1.25324e-05 (5.00901e-05)	1.25732e-05 (5.39547e-03)	1.25732e-05 (5.39547e-03)
704	2.24535e-04 (4.54341e-05)	2.24559e-04 (4.41075e-05)	2.24557e-04 (4.41032e-05)	2.24557e-04 (4.41032e-05)
804	2.13290e-04 (3.96451e-04)	2.13254e-04 (3.99786e-05)	2.13295e-04 (4.21352e-05)	2.13295e-04 (4.21352e-05)
904	6.36933e-05 (7.44184e-04)	6.36796e-05 (4.84510e-05)	6.37662e-05 (7.30257e-04)	6.37662e-05 (7.30257e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 8, Alternate Approach: 1 & 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.64650e-06 (6.33125e-04)	9.63359e-06 (5.78116e-05)	9.67847e-06 (6.10001e-04)	9.67847e-06 (6.10001e-04)
204	9.28962e-06 (1.95694e-03)	9.30134e-06 (5.85709e-05)	9.33603e-06 (1.87220e-03)	9.33603e-06 (1.87220e-03)
304	9.32345e-06 (1.95231e-03)	9.30028e-06 (5.45101e-05)	9.35675e-06 (1.86905e-03)	9.35675e-06 (1.86905e-03)
404	9.24740e-06 (6.55669e-03)	9.16834e-06 (5.94972e-05)	9.09852e-06 (6.33327e-03)	9.09852e-06 (6.33327e-03)
504	9.26469e-06 (6.55735e-03)	9.35950e-06 (5.60220e-05)	9.42536e-06 (6.22434e-03)	9.42536e-06 (6.22434e-03)
604	9.31484e-06 (6.53936e-03)	9.28036e-06 (5.45096e-05)	9.26245e-06 (6.27921e-03)	9.26245e-06 (6.27921e-03)
704	1.98281e-04 (1.73967e-05)	1.98278e-04 (1.33923e-05)	1.98288e-04 (1.34326e-05)	1.98288e-04 (1.34326e-05)
804	1.95702e-03 (5.13602e-05)	1.95704e-03 (5.08432e-05)	1.95696e-03 (5.08577e-05)	1.95696e-03 (5.08577e-05)
904	3.66048e-05 (9.85838e-04)	3.66676e-05 (5.62339e-05)	3.67756e-05 (9.61586e-04)	3.67756e-05 (9.61586e-04)

Source Cell: 9, Alternate Approach: 1 & 2, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.25179e-05 (3.33391e-04)	3.25110e-05 (4.37049e-05)	3.25831e-05 (3.25358e-04)	3.25831e-05 (3.25358e-04)
204	2.59413e-05 (1.16662e-03)	2.59332e-05 (4.50549e-05)	2.60264e-05 (1.12846e-03)	2.60264e-05 (1.12846e-03)
304	3.27775e-05 (1.03748e-03)	3.27568e-05 (4.31189e-05)	3.28385e-05 (1.00706e-03)	3.28385e-05 (1.00706e-03)
404	2.41452e-05 (4.06265e-03)	2.40796e-05 (4.46892e-05)	2.40721e-05 (3.93148e-03)	2.40721e-05 (3.93148e-03)
504	2.73734e-05 (3.81216e-03)	2.74342e-05 (4.36102e-05)	2.74129e-05 (3.68715e-03)	2.74129e-05 (3.68715e-03)
604	3.25659e-05 (3.49658e-03)	3.25156e-05 (4.32948e-05)	3.25751e-05 (3.39098e-03)	3.25751e-05 (3.39098e-03)
704	3.23582e-05 (3.33965e-04)	3.23543e-05 (4.34243e-05)	3.23835e-05 (3.26050e-04)	3.23835e-05 (3.26050e-04)
804	3.02311e-05 (1.08573e-03)	3.02332e-05 (4.32523e-05)	3.02501e-05 (1.05402e-03)	3.02501e-05 (1.05402e-03)
904	2.18712e-03 (3.30481e-05)	2.18724e-03 (3.24122e-05)	2.18719e-03 (3.24272e-05)	2.18719e-03 (3.24272e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 0, Alternate Approach: 1 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.57618e-05 (3.16643e-04)	3.57589e-05 (4.26987e-05)	3.57644e-05 (4.15238e-05)	3.57644e-05 (4.15238e-05)
204	3.14734e-05 (1.05933e-03)	3.14566e-05 (4.41711e-05)	3.14677e-05 (3.16191e-04)	3.14677e-05 (3.16191e-04)
304	3.14395e-05 (1.05925e-03)	3.14406e-05 (4.25897e-05)	3.14796e-05 (3.15874e-04)	3.14796e-05 (3.15874e-04)
404	3.02068e-05 (3.63054e-03)	3.00319e-05 (4.38052e-05)	3.00697e-05 (1.12295e-03)	3.00697e-05 (1.12295e-03)
504	3.20751e-05 (3.52422e-03)	3.21030e-05 (4.27089e-05)	3.21565e-05 (1.08644e-03)	3.21565e-05 (1.08644e-03)
604	3.10838e-05 (3.57732e-03)	3.12224e-05 (4.27262e-05)	3.12281e-05 (1.10128e-03)	3.12281e-05 (1.10128e-03)
704	3.55435e-05 (3.16995e-04)	3.55364e-05 (4.26553e-05)	3.55378e-05 (4.18439e-05)	3.55378e-05 (4.18439e-05)
804	3.29759e-05 (1.03936e-03)	3.29691e-05 (4.25429e-05)	3.29610e-05 (3.09813e-04)	3.29610e-05 (3.09813e-04)
904	2.13243e-04 (3.96540e-04)	2.13344e-04 (3.99500e-05)	2.13347e-04 (3.99763e-05)	2.13347e-04 (3.99763e-05)

Source Cell: 1, Alternate Approach: 1 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.29131e-04 (4.49270e-05)	2.29121e-04 (4.30427e-05)	2.29131e-04 (4.30127e-05)	2.29131e-04 (4.30127e-05)
204	1.62238e-04 (4.56261e-04)	1.62167e-04 (4.15048e-05)	1.62216e-04 (4.27576e-05)	1.62216e-04 (4.27576e-05)
304	1.61876e-04 (4.56939e-04)	1.61961e-04 (4.02486e-05)	1.62029e-04 (4.30279e-05)	1.62029e-04 (4.30279e-05)
404	1.30086e-04 (1.74712e-03)	1.30056e-04 (4.07095e-05)	1.30129e-04 (3.84259e-04)	1.30129e-04 (3.84259e-04)
504	1.81212e-04 (1.47898e-03)	1.80873e-04 (4.01436e-05)	1.80935e-04 (3.20907e-04)	1.80935e-04 (3.20907e-04)
604	1.55942e-04 (1.59424e-03)	1.55929e-04 (3.99898e-05)	1.55943e-04 (3.48163e-04)	1.55943e-04 (3.48163e-04)
704	1.31479e-05 (5.39451e-04)	1.31504e-05 (5.20324e-05)	1.31503e-05 (5.12270e-05)	1.31503e-05 (5.12270e-05)
804	1.27868e-05 (1.67418e-03)	1.28082e-05 (5.05249e-05)	1.28078e-05 (3.04661e-04)	1.28078e-05 (3.04661e-04)
904	6.35974e-05 (7.44717e-04)	6.36756e-05 (4.83429e-05)	6.36672e-05 (4.83333e-05)	6.36672e-05 (4.83333e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 2, Alternate Approach: 1 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86188e-04 (3.54107e-05)	1.86193e-04 (4.29522e-05)	1.86184e-04 (4.10801e-05)	1.86184e-04 (4.10801e-05)
204	1.99620e-03 (4.87053e-05)	1.99623e-03 (4.68752e-05)	1.99604e-03 (4.69095e-05)	1.99604e-03 (4.69095e-05)
304	1.58064e-04 (4.62804e-04)	1.58154e-04 (3.99901e-05)	1.58358e-04 (4.54374e-04)	1.58358e-04 (4.54374e-04)
404	1.26913e-03 (5.50004e-04)	1.26915e-03 (3.80359e-05)	1.26936e-03 (4.10846e-05)	1.26936e-03 (4.10846e-05)
504	1.26833e-03 (5.50166e-04)	1.26921e-03 (3.80554e-05)	1.26934e-03 (4.12810e-05)	1.26934e-03 (4.12810e-05)
604	1.52655e-04 (1.61257e-03)	1.52400e-04 (3.98025e-05)	1.52971e-04 (1.58655e-03)	1.52971e-04 (1.58655e-03)
704	9.46025e-06 (6.39408e-04)	9.47691e-06 (5.79226e-05)	9.47699e-06 (5.72465e-05)	9.47699e-06 (5.72465e-05)
804	9.30124e-06 (1.96364e-03)	9.29968e-06 (5.55055e-05)	9.30094e-06 (3.09383e-04)	9.30094e-06 (3.09383e-04)
904	2.93514e-05 (1.10246e-03)	2.93210e-05 (6.02498e-05)	2.93185e-05 (6.04558e-05)	2.93185e-05 (6.04558e-05)

Source Cell: 3, Alternate Approach: 1 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86182e-04 (3.54082e-05)	1.86171e-04 (4.16078e-05)	1.86201e-04 (3.93926e-05)	1.86201e-04 (3.93926e-05)
204	1.57514e-04 (4.61870e-04)	1.57602e-04 (4.41339e-05)	1.57847e-04 (4.55550e-04)	1.57847e-04 (4.55550e-04)
304	1.96396e-03 (4.88608e-05)	1.96393e-03 (4.72593e-05)	1.96408e-03 (4.72990e-05)	1.96408e-03 (4.72990e-05)
404	1.12318e-04 (1.88118e-03)	1.12155e-04 (4.04530e-05)	1.12169e-04 (1.84965e-03)	1.12169e-04 (1.84965e-03)
504	2.17480e-04 (1.34936e-03)	2.17634e-04 (3.99701e-05)	2.18125e-04 (1.33118e-03)	2.18125e-04 (1.33118e-03)
604	1.69912e-03 (4.72216e-04)	1.69929e-03 (3.76039e-05)	1.69931e-03 (3.94225e-05)	1.69931e-03 (3.94225e-05)
704	9.48161e-06 (6.38555e-04)	9.47751e-06 (5.67316e-05)	9.47697e-06 (5.60784e-05)	9.47697e-06 (5.60784e-05)
804	9.33276e-06 (1.96098e-03)	9.30085e-06 (5.47078e-05)	9.29706e-06 (3.07736e-04)	9.29706e-06 (3.07736e-04)
904	4.27664e-05 (9.11223e-04)	4.27550e-05 (5.37555e-05)	4.27564e-05 (5.38816e-05)	4.27564e-05 (5.38816e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 4, Alternate Approach: 1 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.69589e-04 (3.89734e-05)	1.69590e-04 (4.07068e-05)	1.69608e-04 (3.67103e-05)	1.69608e-04 (3.67103e-05)
204	1.69068e-03 (3.47869e-05)	1.69070e-03 (3.49040e-05)	1.69076e-03 (3.38920e-05)	1.69076e-03 (3.38920e-05)
304	1.22976e-04 (5.27780e-04)	1.22990e-04 (4.07867e-05)	1.23360e-04 (5.19141e-04)	1.23360e-04 (5.19141e-04)
404	2.21915e-02 (4.72393e-05)	2.21884e-02 (4.70674e-05)	2.21895e-02 (4.70745e-05)	2.21895e-02 (4.70745e-05)
504	1.21164e-03 (5.63351e-04)	1.21167e-03 (3.81622e-05)	1.21242e-03 (5.60284e-04)	1.21242e-03 (5.60284e-04)
604	1.19459e-04 (1.82379e-03)	1.19544e-04 (4.06508e-05)	1.20020e-04 (1.78827e-03)	1.20020e-04 (1.78827e-03)
704	8.41053e-06 (6.79143e-04)	8.41418e-06 (6.03103e-05)	8.41542e-06 (5.98521e-05)	8.41542e-06 (5.98521e-05)
804	8.29173e-06 (2.08075e-03)	8.27480e-06 (5.74981e-05)	8.27382e-06 (3.12125e-04)	8.27382e-06 (3.12125e-04)
904	2.33043e-05 (1.23833e-03)	2.33189e-05 (6.51092e-05)	2.33198e-05 (6.55991e-05)	2.33198e-05 (6.55991e-05)

Source Cell: 5, Alternate Approach: 1 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.84258e-04 (3.48269e-05)	1.84279e-04 (4.18473e-05)	1.84264e-04 (3.28246e-05)	1.84264e-04 (3.28246e-05)
204	1.69062e-03 (3.47851e-05)	1.69063e-03 (3.49231e-05)	1.69077e-03 (3.38930e-05)	1.69077e-03 (3.38930e-05)
304	2.63784e-04 (3.51771e-04)	2.63687e-04 (3.86469e-05)	2.63916e-04 (3.48610e-04)	2.63916e-04 (3.48610e-04)
404	1.21218e-03 (5.63179e-04)	1.21175e-03 (3.81683e-05)	1.21308e-03 (5.60123e-04)	1.21308e-03 (5.60123e-04)
504	2.21886e-02 (4.72396e-05)	2.21890e-02 (4.70650e-05)	2.21903e-02 (4.70759e-05)	2.21903e-02 (4.70759e-05)
604	2.47032e-04 (1.26542e-03)	2.47443e-04 (3.85156e-05)	2.47271e-04 (1.25100e-03)	2.47271e-04 (1.25100e-03)
704	8.57266e-06 (6.72532e-04)	8.57596e-06 (5.92845e-05)	8.57614e-06 (5.89588e-05)	8.57614e-06 (5.89588e-05)
804	8.43777e-06 (2.06321e-03)	8.43083e-06 (5.66951e-05)	8.42852e-06 (3.10943e-04)	8.42852e-06 (3.10943e-04)
904	2.71572e-05 (1.14624e-03)	2.71524e-05 (6.17059e-05)	2.71536e-05 (6.21915e-05)	2.71536e-05 (6.21915e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 6, Alternate Approach: 1 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.74389e-04 (3.72438e-05)	1.74383e-04 (3.86649e-05)	1.74408e-04 (3.50576e-05)	1.74408e-04 (3.50576e-05)
204	1.72556e-04 (4.40792e-04)	1.72559e-04 (4.47060e-05)	1.72706e-04 (4.35707e-04)	1.72706e-04 (4.35707e-04)
304	1.81583e-03 (1.08254e-05)	1.81582e-03 (7.83588e-06)	1.81590e-03 (8.09886e-06)	1.81590e-03 (8.09886e-06)
404	1.19375e-04 (1.82442e-03)	1.19530e-04 (4.00042e-05)	1.19763e-04 (1.79188e-03)	1.19763e-04 (1.79188e-03)
504	2.47394e-04 (1.26457e-03)	2.47442e-04 (3.95848e-05)	2.47889e-04 (1.25050e-03)	2.47889e-04 (1.25050e-03)
604	2.21898e-02 (4.72400e-05)	2.21888e-02 (4.70656e-05)	2.21899e-02 (4.70700e-05)	2.21899e-02 (4.70700e-05)
704	8.51017e-06 (6.75077e-04)	8.50896e-06 (5.87861e-05)	8.50936e-06 (5.83061e-05)	8.50936e-06 (5.83061e-05)
804	8.34629e-06 (2.07286e-03)	8.36578e-06 (5.64711e-05)	8.36877e-06 (3.09966e-04)	8.36877e-06 (3.09966e-04)
904	3.45198e-05 (1.01563e-03)	3.45557e-05 (5.74358e-05)	3.45568e-05 (5.74110e-05)	3.45568e-05 (5.74110e-05)

Source Cell: 7, Alternate Approach: 1 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.31862e-05 (5.38894e-04)	1.31840e-05 (5.26088e-05)	1.31844e-05 (5.11203e-05)	1.31844e-05 (5.11203e-05)
204	1.25742e-05 (1.68081e-03)	1.25701e-05 (5.35825e-05)	1.25783e-05 (3.06894e-04)	1.25783e-05 (3.06894e-04)
304	1.26069e-05 (1.67817e-03)	1.25666e-05 (5.00227e-05)	1.25731e-05 (3.05307e-04)	1.25731e-05 (3.05307e-04)
404	1.25202e-05 (5.64185e-03)	1.23326e-05 (5.40997e-05)	1.23452e-05 (1.07764e-03)	1.23452e-05 (1.07764e-03)
504	1.25452e-05 (5.63907e-03)	1.26738e-05 (5.13264e-05)	1.27017e-05 (1.05920e-03)	1.27017e-05 (1.05920e-03)
604	1.25322e-05 (5.64384e-03)	1.25324e-05 (5.00901e-05)	1.25284e-05 (1.06349e-03)	1.25284e-05 (1.06349e-03)
704	2.24535e-04 (4.54341e-05)	2.24559e-04 (4.41075e-05)	2.24558e-04 (4.41114e-05)	2.24558e-04 (4.41114e-05)
804	2.13290e-04 (3.96451e-04)	2.13254e-04 (3.99786e-05)	2.13264e-04 (4.19791e-05)	2.13264e-04 (4.19791e-05)
904	6.36933e-05 (7.44184e-04)	6.36796e-05 (4.84510e-05)	6.36721e-05 (4.83340e-05)	6.36721e-05 (4.83340e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 8, Alternate Approach: 1 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.64650e-06 (6.33125e-04)	9.63359e-06 (5.78116e-05)	9.63525e-06 (5.63378e-05)	9.63525e-06 (5.63378e-05)
204	9.28962e-06 (1.95694e-03)	9.30134e-06 (5.85709e-05)	9.30977e-06 (3.10348e-04)	9.30977e-06 (3.10348e-04)
304	9.32345e-06 (1.95231e-03)	9.30028e-06 (5.45101e-05)	9.30517e-06 (3.08166e-04)	9.30517e-06 (3.08166e-04)
404	9.24740e-06 (6.55669e-03)	9.16834e-06 (5.94972e-05)	9.17493e-06 (1.08367e-03)	9.17493e-06 (1.08367e-03)
504	9.26469e-06 (6.55735e-03)	9.35950e-06 (5.60220e-05)	9.38221e-06 (1.07027e-03)	9.38221e-06 (1.07027e-03)
604	9.31484e-06 (6.53936e-03)	9.28036e-06 (5.45096e-05)	9.28200e-06 (1.06981e-03)	9.28200e-06 (1.06981e-03)
704	1.98281e-04 (1.73967e-05)	1.98278e-04 (1.33923e-05)	1.98289e-04 (1.34119e-05)	1.98289e-04 (1.34119e-05)
804	1.95702e-03 (5.13602e-05)	1.95704e-03 (5.08432e-05)	1.95688e-03 (5.08643e-05)	1.95688e-03 (5.08643e-05)
904	3.66048e-05 (9.85838e-04)	3.66676e-05 (5.62339e-05)	3.66694e-05 (5.63765e-05)	3.66694e-05 (5.63765e-05)

Source Cell: 9, Alternate Approach: 1 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.25179e-05 (3.33391e-04)	3.25110e-05 (4.37049e-05)	3.25135e-05 (4.22260e-05)	3.25135e-05 (4.22260e-05)
204	2.59413e-05 (1.16662e-03)	2.59332e-05 (4.50549e-05)	2.59562e-05 (3.32831e-04)	2.59562e-05 (3.32831e-04)
304	3.27775e-05 (1.03748e-03)	3.27568e-05 (4.31189e-05)	3.27771e-05 (2.93992e-04)	3.27771e-05 (2.93992e-04)
404	2.41452e-05 (4.06265e-03)	2.40796e-05 (4.46892e-05)	2.40759e-05 (1.19533e-03)	2.40759e-05 (1.19533e-03)
504	2.73734e-05 (3.81216e-03)	2.74342e-05 (4.36102e-05)	2.74309e-05 (1.12148e-03)	2.74309e-05 (1.12148e-03)
604	3.25659e-05 (3.49658e-03)	3.25156e-05 (4.32948e-05)	3.24461e-05 (1.03158e-03)	3.24461e-05 (1.03158e-03)
704	3.23582e-05 (3.33965e-04)	3.23543e-05 (4.34243e-05)	3.23565e-05 (4.26317e-05)	3.23565e-05 (4.26317e-05)
804	3.02311e-05 (1.08573e-03)	3.02332e-05 (4.32523e-05)	3.02543e-05 (3.08536e-04)	3.02543e-05 (3.08536e-04)
904	2.18712e-03 (3.30481e-05)	2.18724e-03 (3.24122e-05)	2.18714e-03 (3.24123e-05)	2.18714e-03 (3.24123e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 0, Alternate Approach: 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.57618e-05 (3.16643e-04)	3.57589e-05 (4.26987e-05)	3.57493e-05 (3.16718e-04)	3.57493e-05 (3.16718e-04)
204	3.14734e-05 (1.05933e-03)	3.14566e-05 (4.41711e-05)	3.14036e-05 (1.06021e-03)	3.14036e-05 (1.06021e-03)
304	3.14395e-05 (1.05925e-03)	3.14406e-05 (4.25897e-05)	3.14254e-05 (1.05955e-03)	3.14254e-05 (1.05955e-03)
404	3.02068e-05 (3.63054e-03)	3.00319e-05 (4.38052e-05)	3.00431e-05 (3.64065e-03)	3.00431e-05 (3.64065e-03)
504	3.20751e-05 (3.52422e-03)	3.21030e-05 (4.27089e-05)	3.19310e-05 (3.53148e-03)	3.19310e-05 (3.53148e-03)
604	3.10838e-05 (3.57732e-03)	3.12224e-05 (4.27262e-05)	3.13305e-05 (3.56584e-03)	3.13305e-05 (3.56584e-03)
704	3.55435e-05 (3.16995e-04)	3.55364e-05 (4.26553e-05)	3.55514e-05 (3.16985e-04)	3.55514e-05 (3.16985e-04)
804	3.29759e-05 (1.03936e-03)	3.29691e-05 (4.25429e-05)	3.29522e-05 (1.03953e-03)	3.29522e-05 (1.03953e-03)
904	2.13243e-04 (3.96540e-04)	2.13344e-04 (3.99500e-05)	2.13452e-04 (3.96382e-04)	2.13452e-04 (3.96382e-04)

Source Cell: 1, Alternate Approach: 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.29131e-04 (4.49270e-05)	2.29121e-04 (4.30427e-05)	2.29104e-04 (4.49217e-05)	2.29104e-04 (4.49217e-05)
204	1.62238e-04 (4.56261e-04)	1.62167e-04 (4.15048e-05)	1.62076e-04 (4.56323e-04)	1.62076e-04 (4.56323e-04)
304	1.61876e-04 (4.56939e-04)	1.61961e-04 (4.02486e-05)	1.61906e-04 (4.56741e-04)	1.61906e-04 (4.56741e-04)
404	1.30086e-04 (1.74712e-03)	1.30056e-04 (4.07095e-05)	1.30095e-04 (1.74648e-03)	1.30095e-04 (1.74648e-03)
504	1.81212e-04 (1.47898e-03)	1.80873e-04 (4.01436e-05)	1.80524e-04 (1.48111e-03)	1.80524e-04 (1.48111e-03)
604	1.55942e-04 (1.59424e-03)	1.55929e-04 (3.99898e-05)	1.55833e-04 (1.59533e-03)	1.55833e-04 (1.59533e-03)
704	1.31479e-05 (5.39451e-04)	1.31504e-05 (5.20324e-05)	1.31532e-05 (1.36827e-04)	1.31532e-05 (1.36827e-04)
804	1.27868e-05 (1.67418e-03)	1.28082e-05 (5.05249e-05)	1.28078e-05 (4.90873e-04)	1.28078e-05 (4.90873e-04)
904	6.35974e-05 (7.44717e-04)	6.36756e-05 (4.83429e-05)	6.36694e-05 (1.42175e-04)	6.36694e-05 (1.42175e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 2, Alternate Approach: 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86188e-04 (3.54107e-05)	1.86193e-04 (4.29522e-05)	1.86194e-04 (3.81286e-05)	1.86194e-04 (3.81286e-05)
204	1.99620e-03 (4.87053e-05)	1.99623e-03 (4.68752e-05)	1.99602e-03 (4.86859e-05)	1.99602e-03 (4.86859e-05)
304	1.58064e-04 (4.62804e-04)	1.58154e-04 (3.99901e-05)	1.58153e-04 (8.00781e-05)	1.58153e-04 (8.00781e-05)
404	1.26913e-03 (5.50004e-04)	1.26915e-03 (3.80359e-05)	1.26883e-03 (5.50001e-04)	1.26883e-03 (5.50001e-04)
504	1.26833e-03 (5.50166e-04)	1.26921e-03 (3.80554e-05)	1.26911e-03 (5.49908e-04)	1.26911e-03 (5.49908e-04)
604	1.52655e-04 (1.61257e-03)	1.52400e-04 (3.98025e-05)	1.52485e-04 (4.18778e-04)	1.52485e-04 (4.18778e-04)
704	9.46025e-06 (6.39408e-04)	9.47691e-06 (5.79226e-05)	9.47823e-06 (1.66744e-04)	9.47823e-06 (1.66744e-04)
804	9.30124e-06 (1.96364e-03)	9.29968e-06 (5.55055e-05)	9.30089e-06 (5.65729e-04)	9.30089e-06 (5.65729e-04)
904	2.93514e-05 (1.10246e-03)	2.93210e-05 (6.02498e-05)	2.93395e-05 (2.39431e-04)	2.93395e-05 (2.39431e-04)

Source Cell: 3, Alternate Approach: 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86182e-04 (3.54082e-05)	1.86171e-04 (4.16078e-05)	1.86192e-04 (3.81250e-05)	1.86192e-04 (3.81250e-05)
204	1.57514e-04 (4.61870e-04)	1.57602e-04 (4.41339e-05)	1.57617e-04 (8.00291e-05)	1.57617e-04 (8.00291e-05)
304	1.96396e-03 (4.88608e-05)	1.96393e-03 (4.72593e-05)	1.96392e-03 (4.88361e-05)	1.96392e-03 (4.88361e-05)
404	1.12318e-04 (1.88118e-03)	1.12155e-04 (4.04530e-05)	1.12142e-04 (5.02917e-04)	1.12142e-04 (5.02917e-04)
504	2.17480e-04 (1.34936e-03)	2.17634e-04 (3.99701e-05)	2.17625e-04 (3.35846e-04)	2.17625e-04 (3.35846e-04)
604	1.69912e-03 (4.72216e-04)	1.69929e-03 (3.76039e-05)	1.69941e-03 (4.72161e-04)	1.69941e-03 (4.72161e-04)
704	9.48161e-06 (6.38555e-04)	9.47751e-06 (5.67316e-05)	9.47691e-06 (1.65023e-04)	9.47691e-06 (1.65023e-04)
804	9.33276e-06 (1.96098e-03)	9.30085e-06 (5.47078e-05)	9.30294e-06 (5.63760e-04)	9.30294e-06 (5.63760e-04)
904	4.27664e-05 (9.11223e-04)	4.27550e-05 (5.37555e-05)	4.27710e-05 (1.84648e-04)	4.27710e-05 (1.84648e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 4, Alternate Approach: 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.69589e-04 (3.89734e-05)	1.69590e-04 (4.07068e-05)	1.69597e-04 (4.22614e-05)	1.69597e-04 (4.22614e-05)
204	1.69068e-03 (3.47869e-05)	1.69070e-03 (3.49040e-05)	1.69076e-03 (3.57952e-05)	1.69076e-03 (3.57952e-05)
304	1.22976e-04 (5.27780e-04)	1.22990e-04 (4.07867e-05)	1.23009e-04 (2.54432e-04)	1.23009e-04 (2.54432e-04)
404	2.21915e-02 (4.72393e-05)	2.21884e-02 (4.70674e-05)	2.21920e-02 (4.72363e-05)	2.21920e-02 (4.72363e-05)
504	1.21164e-03 (5.63351e-04)	1.21167e-03 (3.81622e-05)	1.21176e-03 (6.84320e-05)	1.21176e-03 (6.84320e-05)
604	1.19459e-04 (1.82379e-03)	1.19544e-04 (4.06508e-05)	1.19530e-04 (4.32676e-04)	1.19530e-04 (4.32676e-04)
704	8.41053e-06 (6.79143e-04)	8.41418e-06 (6.03103e-05)	8.41195e-06 (1.80218e-04)	8.41195e-06 (1.80218e-04)
804	8.29173e-06 (2.08075e-03)	8.27480e-06 (5.74981e-05)	8.27092e-06 (5.99273e-04)	8.27092e-06 (5.99273e-04)
904	2.33043e-05 (1.23833e-03)	2.33189e-05 (6.51092e-05)	2.33198e-05 (2.80913e-04)	2.33198e-05 (2.80913e-04)

Source Cell: 5, Alternate Approach: 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.84258e-04 (3.48269e-05)	1.84279e-04 (4.18473e-05)	1.84243e-04 (3.82095e-05)	1.84243e-04 (3.82095e-05)
204	1.69062e-03 (3.47851e-05)	1.69063e-03 (3.49231e-05)	1.69068e-03 (3.57692e-05)	1.69068e-03 (3.57692e-05)
304	2.63784e-04 (3.51771e-04)	2.63687e-04 (3.86469e-05)	2.63720e-04 (3.50962e-04)	2.63720e-04 (3.50962e-04)
404	1.21218e-03 (5.63179e-04)	1.21175e-03 (3.81683e-05)	1.21165e-03 (6.81608e-05)	1.21165e-03 (6.81608e-05)
504	2.21886e-02 (4.72396e-05)	2.21890e-02 (4.70650e-05)	2.21881e-02 (4.72371e-05)	2.21881e-02 (4.72371e-05)
604	2.47032e-04 (1.26542e-03)	2.47443e-04 (3.85156e-05)	2.47450e-04 (1.26201e-03)	2.47450e-04 (1.26201e-03)
704	8.57266e-06 (6.72532e-04)	8.57596e-06 (5.92845e-05)	8.57557e-06 (1.75880e-04)	8.57557e-06 (1.75880e-04)
804	8.43777e-06 (2.06321e-03)	8.43083e-06 (5.66951e-05)	8.42624e-06 (5.87852e-04)	8.42624e-06 (5.87852e-04)
904	2.71572e-05 (1.14624e-03)	2.71524e-05 (6.17059e-05)	2.71409e-05 (2.49015e-04)	2.71409e-05 (2.49015e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 6, Alternate Approach: 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.74389e-04 (3.72438e-05)	1.74383e-04 (3.86649e-05)	1.74395e-04 (3.72354e-05)	1.74395e-04 (3.72354e-05)
204	1.72556e-04 (4.40792e-04)	1.72559e-04 (4.47060e-05)	1.72487e-04 (4.39605e-04)	1.72487e-04 (4.39605e-04)
304	1.81583e-03 (1.08254e-05)	1.81582e-03 (7.83588e-06)	1.81580e-03 (1.07443e-05)	1.81580e-03 (1.07443e-05)
404	1.19375e-04 (1.82442e-03)	1.19530e-04 (4.00042e-05)	1.19891e-04 (1.81497e-03)	1.19891e-04 (1.81497e-03)
504	2.47394e-04 (1.26457e-03)	2.47442e-04 (3.95848e-05)	2.47967e-04 (1.25964e-03)	2.47967e-04 (1.25964e-03)
604	2.21898e-02 (4.72400e-05)	2.21888e-02 (4.70656e-05)	2.21883e-02 (4.72459e-05)	2.21883e-02 (4.72459e-05)
704	8.51017e-06 (6.75077e-04)	8.50896e-06 (5.87861e-05)	8.50945e-06 (1.77844e-04)	8.50945e-06 (1.77844e-04)
804	8.34629e-06 (2.07286e-03)	8.36578e-06 (5.64711e-05)	8.36999e-06 (5.95194e-04)	8.36999e-06 (5.95194e-04)
904	3.45198e-05 (1.01563e-03)	3.45557e-05 (5.74358e-05)	3.45515e-05 (2.13390e-04)	3.45515e-05 (2.13390e-04)

Source Cell: 7, Alternate Approach: 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.31862e-05 (5.38894e-04)	1.31840e-05 (5.26088e-05)	1.31871e-05 (1.36715e-04)	1.31871e-05 (1.36715e-04)
204	1.25742e-05 (1.68081e-03)	1.25701e-05 (5.35825e-05)	1.25684e-05 (4.99974e-04)	1.25684e-05 (4.99974e-04)
304	1.26069e-05 (1.67817e-03)	1.25666e-05 (5.00227e-05)	1.25686e-05 (4.93132e-04)	1.25686e-05 (4.93132e-04)
404	1.25202e-05 (5.64185e-03)	1.23326e-05 (5.40997e-05)	1.23516e-05 (1.75345e-03)	1.23516e-05 (1.75345e-03)
504	1.25452e-05 (5.63907e-03)	1.26738e-05 (5.13264e-05)	1.26880e-05 (1.67630e-03)	1.26880e-05 (1.67630e-03)
604	1.25322e-05 (5.64384e-03)	1.25324e-05 (5.00901e-05)	1.25465e-05 (1.68040e-03)	1.25465e-05 (1.68040e-03)
704	2.24535e-04 (4.54341e-05)	2.24559e-04 (4.41075e-05)	2.24562e-04 (4.54220e-05)	2.24562e-04 (4.54220e-05)
804	2.13290e-04 (3.96451e-04)	2.13254e-04 (3.99786e-05)	2.13299e-04 (3.96381e-04)	2.13299e-04 (3.96381e-04)
904	6.36933e-05 (7.44184e-04)	6.36796e-05 (4.84510e-05)	6.36872e-05 (1.42960e-04)	6.36872e-05 (1.42960e-04)

Fairness Comparison Tables: 20% Absorber

Source Cell: 8, Alternate Approach: 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.64650e-06 (6.33125e-04)	9.63359e-06 (5.78116e-05)	9.63331e-06 (1.63889e-04)	9.63331e-06 (1.63889e-04)
204	9.28962e-06 (1.95694e-03)	9.30134e-06 (5.85709e-05)	9.31065e-06 (5.65761e-04)	9.31065e-06 (5.65761e-04)
304	9.32345e-06 (1.95231e-03)	9.30028e-06 (5.45101e-05)	9.30036e-06 (5.59014e-04)	9.30036e-06 (5.59014e-04)
404	9.24740e-06 (6.55669e-03)	9.16834e-06 (5.94972e-05)	9.17074e-06 (1.91974e-03)	9.17074e-06 (1.91974e-03)
504	9.26469e-06 (6.55735e-03)	9.35950e-06 (5.60220e-05)	9.38180e-06 (1.88414e-03)	9.38180e-06 (1.88414e-03)
604	9.31484e-06 (6.53936e-03)	9.28036e-06 (5.45096e-05)	9.26223e-06 (1.86622e-03)	9.26223e-06 (1.86622e-03)
704	1.98281e-04 (1.73967e-05)	1.98278e-04 (1.33923e-05)	1.98281e-04 (1.73241e-05)	1.98281e-04 (1.73241e-05)
804	1.95702e-03 (5.13602e-05)	1.95704e-03 (5.08432e-05)	1.95689e-03 (5.13625e-05)	1.95689e-03 (5.13625e-05)
904	3.66048e-05 (9.85838e-04)	3.66676e-05 (5.62339e-05)	3.66591e-05 (2.03238e-04)	3.66591e-05 (2.03238e-04)

Source Cell: 9, Alternate Approach: 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.25179e-05 (3.33391e-04)	3.25110e-05 (4.37049e-05)	3.25119e-05 (7.92067e-05)	3.25119e-05 (7.92067e-05)
204	2.59413e-05 (1.16662e-03)	2.59332e-05 (4.50549e-05)	2.59397e-05 (4.09477e-04)	2.59397e-05 (4.09477e-04)
304	3.27775e-05 (1.03748e-03)	3.27568e-05 (4.31189e-05)	3.27511e-05 (3.57558e-04)	3.27511e-05 (3.57558e-04)
404	2.41452e-05 (4.06265e-03)	2.40796e-05 (4.46892e-05)	2.40571e-05 (1.46980e-03)	2.40571e-05 (1.46980e-03)
504	2.73734e-05 (3.81216e-03)	2.74342e-05 (4.36102e-05)	2.74895e-05 (1.35497e-03)	2.74895e-05 (1.35497e-03)
604	3.25659e-05 (3.49658e-03)	3.25156e-05 (4.32948e-05)	3.25460e-05 (1.23802e-03)	3.25460e-05 (1.23802e-03)
704	3.23582e-05 (3.33965e-04)	3.23543e-05 (4.34243e-05)	3.23571e-05 (7.96681e-05)	3.23571e-05 (7.96681e-05)
804	3.02311e-05 (1.08573e-03)	3.02332e-05 (4.32523e-05)	3.02458e-05 (3.75844e-04)	3.02458e-05 (3.75844e-04)
904	2.18712e-03 (3.30481e-05)	2.18724e-03 (3.24122e-05)	2.18724e-03 (3.30212e-05)	2.18724e-03 (3.30212e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 0, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.57618e-05 (3.16643e-04)	3.57589e-05 (4.26987e-05)	3.57640e-05 (4.15324e-05)	3.57640e-05 (4.15324e-05)
204	3.14734e-05 (1.05933e-03)	3.14566e-05 (4.41711e-05)	3.14651e-05 (3.16211e-04)	3.14651e-05 (3.16211e-04)
304	3.14395e-05 (1.05925e-03)	3.14406e-05 (4.25897e-05)	3.14294e-05 (3.16110e-04)	3.14294e-05 (3.16110e-04)
404	3.02068e-05 (3.63054e-03)	3.00319e-05 (4.38052e-05)	3.00444e-05 (1.12307e-03)	3.00444e-05 (1.12307e-03)
504	3.20751e-05 (3.52422e-03)	3.21030e-05 (4.27089e-05)	3.21616e-05 (1.08596e-03)	3.21616e-05 (1.08596e-03)
604	3.10838e-05 (3.57732e-03)	3.12224e-05 (4.27262e-05)	3.12176e-05 (1.10179e-03)	3.12176e-05 (1.10179e-03)
704	3.55435e-05 (3.16995e-04)	3.55364e-05 (4.26553e-05)	3.55372e-05 (4.18506e-05)	3.55372e-05 (4.18506e-05)
804	3.29759e-05 (1.03936e-03)	3.29691e-05 (4.25429e-05)	3.29543e-05 (3.09832e-04)	3.29543e-05 (3.09832e-04)
904	2.13243e-04 (3.96540e-04)	2.13344e-04 (3.99500e-05)	2.13358e-04 (3.99614e-05)	2.13358e-04 (3.99614e-05)

Source Cell: 1, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	2.29131e-04 (4.49270e-05)	2.29121e-04 (4.30427e-05)	2.29126e-04 (4.30113e-05)	2.29126e-04 (4.30113e-05)
204	1.62238e-04 (4.56261e-04)	1.62167e-04 (4.15048e-05)	1.62173e-04 (4.25754e-05)	1.62173e-04 (4.25754e-05)
304	1.61876e-04 (4.56939e-04)	1.61961e-04 (4.02486e-05)	1.61964e-04 (4.28444e-05)	1.61964e-04 (4.28444e-05)
404	1.30086e-04 (1.74712e-03)	1.30056e-04 (4.07095e-05)	1.30021e-04 (3.84334e-04)	1.30021e-04 (3.84334e-04)
504	1.81212e-04 (1.47898e-03)	1.80873e-04 (4.01436e-05)	1.80999e-04 (3.20727e-04)	1.80999e-04 (3.20727e-04)
604	1.55942e-04 (1.59424e-03)	1.55929e-04 (3.99898e-05)	1.55939e-04 (3.48071e-04)	1.55939e-04 (3.48071e-04)
704	1.31479e-05 (5.39451e-04)	1.31504e-05 (5.20324e-05)	1.31509e-05 (5.12416e-05)	1.31509e-05 (5.12416e-05)
804	1.27868e-05 (1.67418e-03)	1.28082e-05 (5.05249e-05)	1.28068e-05 (3.04609e-04)	1.28068e-05 (3.04609e-04)
904	6.35974e-05 (7.44717e-04)	6.36756e-05 (4.83429e-05)	6.36696e-05 (4.83942e-05)	6.36696e-05 (4.83942e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 2, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86188e-04 (3.54107e-05)	1.86193e-04 (4.29522e-05)	1.86184e-04 (4.29351e-05)	1.86184e-04 (4.29351e-05)
204	1.99620e-03 (4.87053e-05)	1.99623e-03 (4.68752e-05)	1.99616e-03 (4.68989e-05)	1.99616e-03 (4.68989e-05)
304	1.58064e-04 (4.62804e-04)	1.58154e-04 (3.99901e-05)	1.58158e-04 (4.20515e-05)	1.58158e-04 (4.20515e-05)
404	1.26913e-03 (5.50004e-04)	1.26915e-03 (3.80359e-05)	1.26910e-03 (4.08188e-05)	1.26910e-03 (4.08188e-05)
504	1.26833e-03 (5.50166e-04)	1.26921e-03 (3.80554e-05)	1.26929e-03 (4.07130e-05)	1.26929e-03 (4.07130e-05)
604	1.52655e-04 (1.61257e-03)	1.52400e-04 (3.98025e-05)	1.52391e-04 (3.46670e-04)	1.52391e-04 (3.46670e-04)
704	9.46025e-06 (6.39408e-04)	9.47691e-06 (5.79226e-05)	9.47707e-06 (5.71883e-05)	9.47707e-06 (5.71883e-05)
804	9.30124e-06 (1.96364e-03)	9.29968e-06 (5.55055e-05)	9.30145e-06 (3.09337e-04)	9.30145e-06 (3.09337e-04)
904	2.93514e-05 (1.10246e-03)	2.93210e-05 (6.02498e-05)	2.93231e-05 (6.01170e-05)	2.93231e-05 (6.01170e-05)

Source Cell: 3, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.86182e-04 (3.54082e-05)	1.86171e-04 (4.16078e-05)	1.86206e-04 (4.15778e-05)	1.86206e-04 (4.15778e-05)
204	1.57514e-04 (4.61870e-04)	1.57602e-04 (4.41339e-05)	1.57598e-04 (4.20783e-05)	1.57598e-04 (4.20783e-05)
304	1.96396e-03 (4.88608e-05)	1.96393e-03 (4.72593e-05)	1.96399e-03 (4.72796e-05)	1.96399e-03 (4.72796e-05)
404	1.12318e-04 (1.88118e-03)	1.12155e-04 (4.04530e-05)	1.12162e-04 (4.09434e-04)	1.12162e-04 (4.09434e-04)
504	2.17480e-04 (1.34936e-03)	2.17634e-04 (3.99701e-05)	2.17577e-04 (2.85508e-04)	2.17577e-04 (2.85508e-04)
604	1.69912e-03 (4.72216e-04)	1.69929e-03 (3.76039e-05)	1.69915e-03 (3.91848e-05)	1.69915e-03 (3.91848e-05)
704	9.48161e-06 (6.38555e-04)	9.47751e-06 (5.67316e-05)	9.47676e-06 (5.59531e-05)	9.47676e-06 (5.59531e-05)
804	9.33276e-06 (1.96098e-03)	9.30085e-06 (5.47078e-05)	9.30239e-06 (3.07517e-04)	9.30239e-06 (3.07517e-04)
904	4.27664e-05 (9.11223e-04)	4.27550e-05 (5.37555e-05)	4.27547e-05 (5.37689e-05)	4.27547e-05 (5.37689e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 4, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.69589e-04 (3.89734e-05)	1.69590e-04 (4.07068e-05)	1.69589e-04 (4.02603e-05)	1.69589e-04 (4.02603e-05)
204	1.69068e-03 (3.47869e-05)	1.69070e-03 (3.49040e-05)	1.69070e-03 (3.49475e-05)	1.69070e-03 (3.49475e-05)
304	1.22976e-04 (5.27780e-04)	1.22990e-04 (4.07867e-05)	1.22977e-04 (2.41252e-04)	1.22977e-04 (2.41252e-04)
404	2.21915e-02 (4.72393e-05)	2.21884e-02 (4.70674e-05)	2.21911e-02 (4.70714e-05)	2.21911e-02 (4.70714e-05)
504	1.21164e-03 (5.63351e-04)	1.21167e-03 (3.81622e-05)	1.21176e-03 (4.08298e-05)	1.21176e-03 (4.08298e-05)
604	1.19459e-04 (1.82379e-03)	1.19544e-04 (4.06508e-05)	1.19510e-04 (3.31273e-04)	1.19510e-04 (3.31273e-04)
704	8.41053e-06 (6.79143e-04)	8.41418e-06 (6.03103e-05)	8.41428e-06 (5.97536e-05)	8.41428e-06 (5.97536e-05)
804	8.29173e-06 (2.08075e-03)	8.27480e-06 (5.74981e-05)	8.27508e-06 (3.12081e-04)	8.27508e-06 (3.12081e-04)
904	2.33043e-05 (1.23833e-03)	2.33189e-05 (6.51092e-05)	2.33172e-05 (6.52981e-05)	2.33172e-05 (6.52981e-05)

Source Cell: 5, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.84258e-04 (3.48269e-05)	1.84279e-04 (4.18473e-05)	1.84253e-04 (3.64735e-05)	1.84253e-04 (3.64735e-05)
204	1.69062e-03 (3.47851e-05)	1.69063e-03 (3.49231e-05)	1.69071e-03 (3.49368e-05)	1.69071e-03 (3.49368e-05)
304	2.63784e-04 (3.51771e-04)	2.63687e-04 (3.86469e-05)	2.63747e-04 (3.48122e-04)	2.63747e-04 (3.48122e-04)
404	1.21218e-03 (5.63179e-04)	1.21175e-03 (3.81683e-05)	1.21171e-03 (4.07756e-05)	1.21171e-03 (4.07756e-05)
504	2.21886e-02 (4.72396e-05)	2.21890e-02 (4.70650e-05)	2.21893e-02 (4.70719e-05)	2.21893e-02 (4.70719e-05)
604	2.47032e-04 (1.26542e-03)	2.47443e-04 (3.85156e-05)	2.47654e-04 (1.24844e-03)	2.47654e-04 (1.24844e-03)
704	8.57266e-06 (6.72532e-04)	8.57596e-06 (5.92845e-05)	8.57553e-06 (5.88741e-05)	8.57553e-06 (5.88741e-05)
804	8.43777e-06 (2.06321e-03)	8.43083e-06 (5.66951e-05)	8.42633e-06 (3.10593e-04)	8.42633e-06 (3.10593e-04)
904	2.71572e-05 (1.14624e-03)	2.71524e-05 (6.17059e-05)	2.71529e-05 (6.22861e-05)	2.71529e-05 (6.22861e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 6, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.74389e-04 (3.72438e-05)	1.74383e-04 (3.86649e-05)	1.74394e-04 (3.50758e-05)	1.74394e-04 (3.50758e-05)
204	1.72556e-04 (4.40792e-04)	1.72559e-04 (4.47060e-05)	1.72413e-04 (4.35090e-04)	1.72413e-04 (4.35090e-04)
304	1.81583e-03 (1.08254e-05)	1.81582e-03 (7.83588e-06)	1.81583e-03 (8.01452e-06)	1.81583e-03 (8.01452e-06)
404	1.19375e-04 (1.82442e-03)	1.19530e-04 (4.00042e-05)	1.19503e-04 (1.79018e-03)	1.19503e-04 (1.79018e-03)
504	2.47394e-04 (1.26457e-03)	2.47442e-04 (3.95848e-05)	2.47286e-04 (1.24903e-03)	2.47286e-04 (1.24903e-03)
604	2.21898e-02 (4.72400e-05)	2.21888e-02 (4.70656e-05)	2.21885e-02 (4.70691e-05)	2.21885e-02 (4.70691e-05)
704	8.51017e-06 (6.75077e-04)	8.50896e-06 (5.87861e-05)	8.50955e-06 (5.82846e-05)	8.50955e-06 (5.82846e-05)
804	8.34629e-06 (2.07286e-03)	8.36578e-06 (5.64711e-05)	8.36735e-06 (3.09919e-04)	8.36735e-06 (3.09919e-04)
904	3.45198e-05 (1.01563e-03)	3.45557e-05 (5.74358e-05)	3.45552e-05 (5.73923e-05)	3.45552e-05 (5.73923e-05)

Source Cell: 7, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	1.31862e-05 (5.38894e-04)	1.31840e-05 (5.26088e-05)	1.31835e-05 (5.11238e-05)	1.31835e-05 (5.11238e-05)
204	1.25742e-05 (1.68081e-03)	1.25701e-05 (5.35825e-05)	1.25756e-05 (3.07172e-04)	1.25756e-05 (3.07172e-04)
304	1.26069e-05 (1.67817e-03)	1.25666e-05 (5.00227e-05)	1.25662e-05 (3.05455e-04)	1.25662e-05 (3.05455e-04)
404	1.25202e-05 (5.64185e-03)	1.23326e-05 (5.40997e-05)	1.23282e-05 (1.07692e-03)	1.23282e-05 (1.07692e-03)
504	1.25452e-05 (5.63907e-03)	1.26738e-05 (5.13264e-05)	1.26721e-05 (1.06074e-03)	1.26721e-05 (1.06074e-03)
604	1.25322e-05 (5.64384e-03)	1.25324e-05 (5.00901e-05)	1.25485e-05 (1.06172e-03)	1.25485e-05 (1.06172e-03)
704	2.24535e-04 (4.54341e-05)	2.24559e-04 (4.41075e-05)	2.24561e-04 (4.41097e-05)	2.24561e-04 (4.41097e-05)
804	2.13290e-04 (3.96451e-04)	2.13254e-04 (3.99786e-05)	2.13278e-04 (4.19655e-05)	2.13278e-04 (4.19655e-05)
904	6.36933e-05 (7.44184e-04)	6.36796e-05 (4.84510e-05)	6.36747e-05 (4.84077e-05)	6.36747e-05 (4.84077e-05)

Fairness Comparison Tables: 20% Absorber

Source Cell: 8, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	9.64650e-06 (6.33125e-04)	9.63359e-06 (5.78116e-05)	9.63353e-06 (5.63154e-05)	9.63353e-06 (5.63154e-05)
204	9.28962e-06 (1.95694e-03)	9.30134e-06 (5.85709e-05)	9.29883e-06 (3.10516e-04)	9.29883e-06 (3.10516e-04)
304	9.32345e-06 (1.95231e-03)	9.30028e-06 (5.45101e-05)	9.29774e-06 (3.08112e-04)	9.29774e-06 (3.08112e-04)
404	9.24740e-06 (6.55669e-03)	9.16834e-06 (5.94972e-05)	9.16008e-06 (1.08386e-03)	9.16008e-06 (1.08386e-03)
504	9.26469e-06 (6.55735e-03)	9.35950e-06 (5.60220e-05)	9.35738e-06 (1.06803e-03)	9.35738e-06 (1.06803e-03)
604	9.31484e-06 (6.53936e-03)	9.28036e-06 (5.45096e-05)	9.29108e-06 (1.06674e-03)	9.29108e-06 (1.06674e-03)
704	1.98281e-04 (1.73967e-05)	1.98278e-04 (1.33923e-05)	1.98283e-04 (1.33991e-05)	1.98283e-04 (1.33991e-05)
804	1.95702e-03 (5.13602e-05)	1.95704e-03 (5.08432e-05)	1.95684e-03 (5.08627e-05)	1.95684e-03 (5.08627e-05)
904	3.66048e-05 (9.85838e-04)	3.66676e-05 (5.62339e-05)	3.66691e-05 (5.63792e-05)	3.66691e-05 (5.63792e-05)

Source Cell: 9, Alternate Approach: 1 & 2 & 3, Material: 20% Absorber

Tally	Analog	Trad. vs. Analog	Alt. vs. Analog	Alt. vs. Trad.
104	3.25179e-05 (3.33391e-04)	3.25110e-05 (4.37049e-05)	3.25112e-05 (4.22028e-05)	3.25112e-05 (4.22028e-05)
204	2.59413e-05 (1.16662e-03)	2.59332e-05 (4.50549e-05)	2.59347e-05 (3.32999e-04)	2.59347e-05 (3.32999e-04)
304	3.27775e-05 (1.03748e-03)	3.27568e-05 (4.31189e-05)	3.27639e-05 (2.94012e-04)	3.27639e-05 (2.94012e-04)
404	2.41452e-05 (4.06265e-03)	2.40796e-05 (4.46892e-05)	2.40621e-05 (1.19600e-03)	2.40621e-05 (1.19600e-03)
504	2.73734e-05 (3.81216e-03)	2.74342e-05 (4.36102e-05)	2.74179e-05 (1.12152e-03)	2.74179e-05 (1.12152e-03)
604	3.25659e-05 (3.49658e-03)	3.25156e-05 (4.32948e-05)	3.24993e-05 (1.03138e-03)	3.24993e-05 (1.03138e-03)
704	3.23582e-05 (3.33965e-04)	3.23543e-05 (4.34243e-05)	3.23537e-05 (4.26212e-05)	3.23537e-05 (4.26212e-05)
804	3.02311e-05 (1.08573e-03)	3.02332e-05 (4.32523e-05)	3.02450e-05 (3.08566e-04)	3.02450e-05 (3.08566e-04)
904	2.18712e-03 (3.30481e-05)	2.18724e-03 (3.24122e-05)	2.18720e-03 (3.24086e-05)	2.18720e-03 (3.24086e-05)