

| -Page- | Alpha | T(C) | P(atm) | Mol-CO(g) | Mol-CO2(g) | Mol-FeO(SLAG) | Mol-SiO2(SLAG) |
|--------|---------|------|--------|-----------|------------|---------------|----------------|
| 1 | 0 | 800 | 1 | 0 | 0 | 0 | 0 |
| 2 | 50000 | 800 | 1 | 32748.978 | 17229.831 | 0 | 0 |
| 3 | 100000 | 800 | 1 | 65497.955 | 34459.661 | 0 | 0 |
| 4 | 150000 | 800 | 1 | 98246.933 | 51689.492 | 0 | 0 |
| 5 | 200000 | 800 | 1 | 130995.91 | 68919.323 | 0 | 0 |
| 6 | 250000 | 800 | 1 | 163744.89 | 86149.154 | 0 | 0 |
| 7 | 300000 | 800 | 1 | 196493.87 | 103378.98 | 0 | 0 |
| 8 | 350000 | 800 | 1 | 229242.84 | 120608.82 | 0 | 0 |
| 9 | 400000 | 800 | 1 | 261991.82 | 137838.65 | 0 | 0 |
| 10 | 450000 | 800 | 1 | 294740.8 | 155068.48 | 0 | 0 |
| 11 | 500000 | 800 | 1 | 327489.78 | 172298.31 | 0 | 0 |
| 12 | 550000 | 800 | 1 | 360238.75 | 189528.14 | 0 | 0 |
| 13 | 600000 | 800 | 1 | 394087.52 | 205655.74 | 0 | 0 |
| 14 | 650000 | 800 | 1 | 479766.66 | 162816.17 | 0 | 0 |
| 15 | 700000 | 800 | 1 | 555350.73 | 125024.14 | 0 | 0 |
| 16 | 750000 | 800 | 1 | 632825.93 | 86286.535 | 0 | 0 |
| 17 | 800000 | 800 | 1 | 640731.03 | 82333.987 | 0 | 0 |
| 18 | 850000 | 800 | 1 | 640731.03 | 82333.987 | 0 | 0 |
| 19 | 900000 | 800 | 1 | 640731.03 | 82333.987 | 0 | 0 |
| 20 | 950000 | 800 | 1 | 640731.03 | 82333.987 | 0 | 0 |
| 21 | 1000000 | 800 | 1 | 640731.03 | 82333.987 | 0 | 0 |
| 22 | 0 | 850 | 1 | 0 | 0 | 0 | 0 |
| 23 | 50000 | 850 | 1 | 33733.665 | 16249.116 | 0 | 0 |
| 24 | 100000 | 850 | 1 | 67467.33 | 32498.233 | 0 | 0 |
| 25 | 150000 | 850 | 1 | 101200.99 | 48747.349 | 0 | 0 |
| 26 | 200000 | 850 | 1 | 134934.66 | 64996.466 | 0 | 0 |
| 27 | 250000 | 850 | 1 | 168668.32 | 81245.582 | 0 | 0 |
| 28 | 300000 | 850 | 1 | 202401.99 | 97494.699 | 0 | 0 |
| 29 | 350000 | 850 | 1 | 236135.65 | 113743.82 | 0 | 0 |
| 30 | 400000 | 850 | 1 | 269869.32 | 129992.93 | 0 | 0 |
| 31 | 450000 | 850 | 1 | 303602.98 | 146242.05 | 0 | 0 |
| 32 | 500000 | 850 | 1 | 337336.65 | 162491.16 | 0 | 0 |
| 33 | 550000 | 850 | 1 | 371070.31 | 178740.28 | 0 | 0 |
| 34 | 600000 | 850 | 1 | 404803.98 | 194989.4 | 0 | 0 |
| 35 | 650000 | 850 | 1 | 480074.63 | 162662.19 | 0 | 0 |
| 36 | 700000 | 850 | 1 | 569625.18 | 117886.91 | 0 | 0 |
| 37 | 750000 | 850 | 1 | 651589.72 | 76904.641 | 0 | 0 |
| 38 | 800000 | 850 | 1 | 719212.4 | 43093.304 | 0 | 0 |
| 39 | 850000 | 850 | 1 | 720730.18 | 42334.413 | 0 | 0 |
| 40 | 900000 | 850 | 1 | 720730.18 | 42334.413 | 0 | 0 |
| 41 | 950000 | 850 | 1 | 720730.18 | 42334.413 | 0 | 0 |
| 42 | 1000000 | 850 | 1 | 720730.18 | 42334.413 | 0 | 0 |
| 43 | 0 | 900 | 1 | 0 | 0 | 0 | 0 |
| 44 | 50000 | 900 | 1 | 34406.708 | 15350.838 | 0 | 0 |
| 45 | 100000 | 900 | 1 | 68813.416 | 30701.676 | 0 | 0 |
| 46 | 150000 | 900 | 1 | 103220.12 | 46052.514 | 0 | 0 |

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|----|---------|------|---|-----------|-----------|-----------|-----------|
| 47 | 200000 | 900 | 1 | 137626.83 | 61403.352 | 0 | 0 |
| 48 | 250000 | 900 | 1 | 172033.54 | 76754.191 | 0 | 0 |
| 49 | 300000 | 900 | 1 | 206440.25 | 92105.029 | 0 | 0 |
| 50 | 350000 | 900 | 1 | 240846.96 | 107455.87 | 0 | 0 |
| 51 | 400000 | 900 | 1 | 275253.66 | 122806.7 | 0 | 0 |
| 52 | 450000 | 900 | 1 | 309660.37 | 138157.54 | 0 | 0 |
| 53 | 500000 | 900 | 1 | 344067.08 | 153508.38 | 0 | 0 |
| 54 | 550000 | 900 | 1 | 378473.79 | 168859.22 | 0 | 0 |
| 55 | 600000 | 900 | 1 | 412880.5 | 184210.06 | 0 | 0 |
| 56 | 650000 | 900 | 1 | 485865.08 | 159766.96 | 0 | 0 |
| 57 | 700000 | 900 | 1 | 578852.87 | 113273.06 | 0 | 0 |
| 58 | 750000 | 900 | 1 | 665111.35 | 70143.829 | 0 | 0 |
| 59 | 800000 | 900 | 1 | 735336.01 | 35031.505 | 0 | 0 |
| 60 | 850000 | 900 | 1 | 762758.51 | 21320.27 | 0 | 0 |
| 61 | 900000 | 900 | 1 | 762758.51 | 21320.27 | 0 | 0 |
| 62 | 950000 | 900 | 1 | 762758.51 | 21320.27 | 0 | 0 |
| 63 | 1000000 | 900 | 1 | 762758.51 | 21320.27 | 0 | 0 |
| 64 | 0 | 950 | 1 | 0 | 0 | 362416.29 | 194601 |
| 65 | 50000 | 950 | 1 | 35186.037 | 14648.986 | 362423.64 | 194601 |
| 66 | 100000 | 950 | 1 | 70377.947 | 29300.418 | 362423.64 | 194601 |
| 67 | 150000 | 950 | 1 | 105569.86 | 43951.85 | 362423.64 | 194601 |
| 68 | 200000 | 950 | 1 | 140761.77 | 58603.282 | 362423.64 | 194601 |
| 69 | 250000 | 950 | 1 | 175959.55 | 73257.159 | 0 | 0 |
| 70 | 300000 | 950 | 1 | 211151.46 | 87908.591 | 0 | 0 |
| 71 | 350000 | 950 | 1 | 250129.89 | 98699.069 | 348888.12 | 194601 |
| 72 | 400000 | 950 | 1 | 289720.85 | 108870.59 | 291063.68 | 167920.35 |
| 73 | 450000 | 950 | 1 | 325937.51 | 122480 | 229091.65 | 132167.46 |
| 74 | 500000 | 950 | 1 | 362154.16 | 136089.4 | 167119.61 | 96414.579 |
| 75 | 550000 | 950 | 1 | 398370.82 | 149698.81 | 105147.57 | 60661.696 |
| 76 | 600000 | 950 | 1 | 434587.48 | 163308.21 | 43175.535 | 24908.813 |
| 77 | 650000 | 950 | 1 | 489242.09 | 158078.45 | 0 | 0 |
| 78 | 700000 | 950 | 1 | 584621.51 | 110388.75 | 0 | 0 |
| 79 | 750000 | 950 | 1 | 674551.63 | 65423.692 | 0 | 0 |
| 80 | 800000 | 950 | 1 | 747789.29 | 28804.896 | 0 | 0 |
| 81 | 850000 | 950 | 1 | 783498.45 | 10950.519 | 0 | 0 |
| 82 | 900000 | 950 | 1 | 783498.45 | 10950.519 | 0 | 0 |
| 83 | 950000 | 950 | 1 | 783498.45 | 10950.519 | 0 | 0 |
| 84 | 1000000 | 950 | 1 | 783498.45 | 10950.519 | 0 | 0 |
| 85 | 0 | 1000 | 1 | 0 | 0 | 390313.74 | 194601 |
| 86 | 50000 | 1000 | 1 | 35879.167 | 14009.568 | 390321.72 | 194601 |
| 87 | 100000 | 1000 | 1 | 71763.199 | 28021.036 | 390321.72 | 194601 |
| 88 | 150000 | 1000 | 1 | 107647.23 | 42032.503 | 390321.72 | 194601 |
| 89 | 200000 | 1000 | 1 | 143531.26 | 56043.97 | 390321.72 | 194601 |
| 90 | 250000 | 1000 | 1 | 179420.16 | 70057.337 | 0 | 0 |
| 91 | 300000 | 1000 | 1 | 215304.19 | 84068.805 | 0 | 0 |
| 92 | 350000 | 1000 | 1 | 259010.76 | 90153.932 | 357062.31 | 194601 |
| 93 | 400000 | 1000 | 1 | 305830.58 | 93069.417 | 307335.84 | 184354.55 |

| | | | | | | | |
|-----|---------|------|---|-----------|-----------|-----------|-----------|
| 94 | 450000 | 1000 | 1 | 344060.52 | 104703.43 | 247033.53 | 148182.38 |
| 95 | 500000 | 1000 | 1 | 382290.45 | 116337.45 | 186731.22 | 112010.2 |
| 96 | 550000 | 1000 | 1 | 420520.38 | 127971.46 | 126428.91 | 75838.028 |
| 97 | 600000 | 1000 | 1 | 458750.32 | 139605.48 | 66126.596 | 39665.854 |
| 98 | 650000 | 1000 | 1 | 496980.25 | 151239.49 | 5824.2845 | 3493.6808 |
| 99 | 700000 | 1000 | 1 | 588178.73 | 108610.14 | 0 | 0 |
| 100 | 750000 | 1000 | 1 | 680977.96 | 62210.536 | 0 | 0 |
| 101 | 800000 | 1000 | 1 | 757404.65 | 23997.313 | 0 | 0 |
| 102 | 850000 | 1000 | 1 | 791777.81 | 6812.034 | 0 | 0 |
| 103 | 900000 | 1000 | 1 | 793734.38 | 5834.1971 | 0 | 0 |
| 104 | 950000 | 1000 | 1 | 793734.38 | 5834.1971 | 0 | 0 |
| 105 | 1000000 | 1000 | 1 | 793734.38 | 5834.1971 | 0 | 0 |
| 106 | 0 | 1050 | 1 | 0 | 0 | 423896.46 | 194601 |
| 107 | 50000 | 1050 | 1 | 36498.44 | 13423.881 | 423905.54 | 194601 |
| 108 | 100000 | 1050 | 1 | 73001.146 | 26849.331 | 423905.54 | 194601 |
| 109 | 150000 | 1050 | 1 | 109503.85 | 40274.781 | 423905.54 | 194601 |
| 110 | 200000 | 1050 | 1 | 146006.56 | 53700.231 | 423905.54 | 194601 |
| 111 | 250000 | 1050 | 1 | 182513.53 | 67127.249 | 0 | 0 |
| 112 | 300000 | 1050 | 1 | 220637.42 | 78912.55 | 412855.27 | 194601 |
| 113 | 350000 | 1050 | 1 | 266971.72 | 82415.509 | 364558.58 | 194601 |
| 114 | 400000 | 1050 | 1 | 317375.04 | 81778.835 | 318815.71 | 194601 |
| 115 | 450000 | 1050 | 1 | 359322.6 | 89694.395 | 262282.33 | 163750.01 |
| 116 | 500000 | 1050 | 1 | 399248.05 | 99660.617 | 203413.2 | 126996.41 |
| 117 | 550000 | 1050 | 1 | 439173.5 | 109626.84 | 144544.07 | 90242.806 |
| 118 | 600000 | 1050 | 1 | 479098.95 | 119593.06 | 85674.938 | 53489.201 |
| 119 | 650000 | 1050 | 1 | 519024.4 | 129559.29 | 26805.807 | 16735.597 |
| 120 | 700000 | 1050 | 1 | 590378.23 | 107510.4 | 0 | 0 |
| 121 | 750000 | 1050 | 1 | 685282.47 | 60058.311 | 0 | 0 |
| 122 | 800000 | 1050 | 1 | 764850.05 | 20274.904 | 0 | 0 |
| 123 | 850000 | 1050 | 1 | 795928.93 | 4741.471 | 0 | 0 |
| 124 | 900000 | 1050 | 1 | 798945 | 3239.4413 | 0 | 0 |
| 125 | 950000 | 1050 | 1 | 798945 | 3239.4413 | 0 | 0 |
| 126 | 1000000 | 1050 | 1 | 798945 | 3239.4413 | 0 | 0 |
| 127 | 0 | 1100 | 1 | 0 | 0 | 466882.97 | 194601 |
| 128 | 50000 | 1100 | 1 | 37057.503 | 12886.334 | 466894.1 | 194601 |
| 129 | 100000 | 1100 | 1 | 74118.989 | 25774.053 | 466894.1 | 194601 |
| 130 | 150000 | 1100 | 1 | 111180.48 | 38661.773 | 466894.1 | 194601 |
| 131 | 200000 | 1100 | 1 | 148241.96 | 51549.492 | 466894.1 | 194601 |
| 132 | 250000 | 1100 | 1 | 185303.45 | 64437.212 | 466894.1 | 194601 |
| 133 | 300000 | 1100 | 1 | 227802.43 | 71854.376 | 419966.08 | 194601 |
| 134 | 350000 | 1100 | 1 | 274113.6 | 75425.196 | 371398.66 | 194601 |
| 135 | 400000 | 1100 | 1 | 324152.92 | 75217.964 | 325138.92 | 194600.99 |
| 136 | 450000 | 1100 | 1 | 372143.64 | 77060.679 | 275191.87 | 179048.25 |
| 137 | 500000 | 1100 | 1 | 413493.46 | 85623.086 | 217543.06 | 141540.17 |
| 138 | 550000 | 1100 | 1 | 454843.28 | 94185.492 | 159894.26 | 104032.1 |
| 139 | 600000 | 1100 | 1 | 496193.1 | 102747.9 | 102245.45 | 66524.021 |
| 140 | 650000 | 1100 | 1 | 537542.92 | 111310.31 | 44596.648 | 29015.943 |

| | | | | | | | |
|-----|---------|------|---|-----------|-----------|---|---|
| 141 | 700000 | 1100 | 1 | 591756.7 | 106821.17 | 0 | 0 |
| 142 | 750000 | 1100 | 1 | 688147.9 | 58625.643 | 0 | 0 |
| 143 | 800000 | 1100 | 1 | 770643.86 | 17378.796 | 0 | 0 |
| 144 | 850000 | 1100 | 1 | 798771.35 | 3340.2579 | 0 | 0 |
| 145 | 900000 | 1100 | 1 | 801793.85 | 1873.7339 | 0 | 0 |
| 146 | 950000 | 1100 | 1 | 801793.85 | 1873.7339 | 0 | 0 |
| 147 | 1000000 | 1100 | 1 | 801793.85 | 1873.7339 | 0 | 0 |

| Mol-Fe:C(FCC) | Mol-Si:C(FCC) | Mol-Fe:Va(FCC) | Mol-Si:Va(FCC) | Mol-Fe:C(BCC) | Mol-Si:C(BCC) |
|---------------|---------------|----------------|----------------|---------------|---------------|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 7.0639231 | 1.70867E-10 |
| 0 | 0 | 0 | 0 | 14.127846 | 3.41734E-10 |
| 0 | 0 | 0 | 0 | 21.191769 | 5.12602E-10 |
| 0 | 0 | 0 | 0 | 28.255692 | 6.83469E-10 |
| 0 | 0 | 0 | 0 | 35.319615 | 8.54336E-10 |
| 0 | 0 | 0 | 0 | 42.383538 | 1.0252E-09 |
| 0 | 0 | 0 | 0 | 49.447461 | 1.19607E-09 |
| 0 | 0 | 0 | 0 | 56.511384 | 1.36694E-09 |
| 0 | 0 | 0 | 0 | 63.575307 | 1.53781E-09 |
| 0 | 0 | 0 | 0 | 70.63923 | 1.70867E-09 |
| 0 | 0 | 0 | 0 | 77.703154 | 1.87954E-09 |
| 0 | 0 | 0 | 0 | 85.580411 | 2.10397E-09 |
| 7221.4004 | 2.76017E-07 | 446244.43 | 1.70564E-05 | 65.255885 | 3.78251E-09 |
| 19625.135 | 1.61196E-06 | 785773.86 | 6.45415E-05 | 0 | 0 |
| 30887.534 | 6.32143E-06 | 774511.47 | 0.000158511 | 0 | 0 |
| 32445.051 | 7.38588E-06 | 772953.95 | 0.000175957 | 0 | 0 |
| 32445.051 | 7.38588E-06 | 772953.95 | 0.000175957 | 0 | 0 |
| 32445.051 | 7.38588E-06 | 772953.95 | 0.000175957 | 0 | 0 |
| 32445.051 | 7.38588E-06 | 772953.95 | 0.000175957 | 0 | 0 |
| 32445.051 | 7.38588E-06 | 772953.95 | 0.000175957 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 5.7395411 | 4.74048E-10 |
| 0 | 0 | 0 | 0 | 11.479082 | 9.48097E-10 |
| 0 | 0 | 0 | 0 | 17.218624 | 1.42215E-09 |
| 0 | 0 | 0 | 0 | 22.958165 | 1.89619E-09 |
| 0 | 0 | 0 | 0 | 28.697706 | 2.37024E-09 |
| 0 | 0 | 0 | 0 | 34.437247 | 2.84429E-09 |
| 0 | 0 | 0 | 0 | 40.176788 | 3.31834E-09 |
| 0 | 0 | 0 | 0 | 45.916329 | 3.79239E-09 |
| 0 | 0 | 0 | 0 | 51.655871 | 4.26644E-09 |
| 0 | 0 | 0 | 0 | 57.395412 | 4.74048E-09 |
| 0 | 0 | 0 | 0 | 63.134953 | 5.21453E-09 |
| 0 | 0 | 0 | 0 | 68.874494 | 5.68858E-09 |
| 7263.1855 | 8.41913E-07 | 798135.81 | 0.000092516 | 0 | 0 |
| 12487.908 | 3.71257E-06 | 792911.09 | 0.000235727 | 0 | 0 |
| 21505.64 | 1.82453E-05 | 783893.36 | 0.000665052 | 0 | 0 |
| 37694.299 | 0.000109085 | 767704.7 | 0.002221692 | 0 | 0 |
| 38263.813 | 0.000114716 | 767135.19 | 0.002299892 | 0 | 0 |
| 38263.813 | 0.000114716 | 767135.19 | 0.002299892 | 0 | 0 |
| 38263.813 | 0.000114716 | 767135.19 | 0.002299892 | 0 | 0 |
| 38263.813 | 0.000114716 | 767135.19 | 0.002299892 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 242.4538 | 4.40557E-08 | 64865.931 | 1.17866E-05 | 0 | 0 |
| 484.90759 | 8.81115E-08 | 129731.86 | 2.35733E-05 | 0 | 0 |
| 727.36139 | 1.32167E-07 | 194597.79 | 3.53599E-05 | 0 | 0 |

| | | | | | |
|-----------|-------------|-----------|-------------|---|---|
| 969.81518 | 1.76223E-07 | 259463.72 | 4.71466E-05 | 0 | 0 |
| 1212.269 | 2.20279E-07 | 324329.65 | 5.89332E-05 | 0 | 0 |
| 1454.7228 | 2.64334E-07 | 389195.58 | 7.07198E-05 | 0 | 0 |
| 1697.1766 | 3.0839E-07 | 454061.51 | 8.25065E-05 | 0 | 0 |
| 1939.6304 | 3.52446E-07 | 518927.44 | 9.42931E-05 | 0 | 0 |
| 2182.0842 | 3.96502E-07 | 583793.37 | 0.00010608 | 0 | 0 |
| 2424.538 | 4.40557E-07 | 648659.31 | 0.000117866 | 0 | 0 |
| 2666.9917 | 4.84613E-07 | 713525.24 | 0.000129653 | 0 | 0 |
| 2909.4455 | 5.28669E-07 | 778391.17 | 0.00014144 | 0 | 0 |
| 4367.9613 | 1.44393E-06 | 801031.04 | 0.000264799 | 0 | 0 |
| 7874.0626 | 7.13194E-06 | 797524.94 | 0.000722359 | 0 | 0 |
| 14744.824 | 4.3381E-05 | 790654.18 | 0.002326199 | 0 | 0 |
| 29632.484 | 0.00037806 | 775766.52 | 0.009897451 | 0 | 0 |
| 44346.145 | 0.001463934 | 761052.85 | 0.025123515 | 0 | 0 |
| 44346.145 | 0.001463934 | 761052.85 | 0.025123515 | 0 | 0 |
| 44346.145 | 0.001463934 | 761052.85 | 0.025123515 | 0 | 0 |
| 44346.145 | 0.001463934 | 761052.85 | 0.025123515 | 0 | 0 |
| 0 | 0 | 3430.6903 | 1.47552E-06 | 0 | 0 |
| 164.97674 | 6.94055E-08 | 67754.613 | 2.85043E-05 | 0 | 0 |
| 321.63461 | 1.35311E-07 | 132092.73 | 5.55712E-05 | 0 | 0 |
| 478.29247 | 2.01217E-07 | 196430.85 | 8.26382E-05 | 0 | 0 |
| 634.95033 | 2.67123E-07 | 260768.96 | 0.000109705 | 0 | 0 |
| 783.28931 | 3.98285E-07 | 321690.58 | 0.000163573 | 0 | 0 |
| 939.94717 | 4.77942E-07 | 386028.7 | 0.000196287 | 0 | 0 |
| 1171.0425 | 6.05969E-07 | 449351.27 | 0.000232522 | 0 | 0 |
| 1408.5585 | 8.77079E-07 | 508344.57 | 0.000316535 | 0 | 0 |
| 1582.4965 | 9.85386E-07 | 571118.29 | 0.000355623 | 0 | 0 |
| 1756.4345 | 1.09369E-06 | 633892.01 | 0.000394711 | 0 | 0 |
| 1930.3726 | 1.202E-06 | 696665.73 | 0.000433799 | 0 | 0 |
| 2104.3106 | 1.31031E-06 | 759439.45 | 0.000472886 | 0 | 0 |
| 2679.4525 | 2.24777E-06 | 802719.55 | 0.000673396 | 0 | 0 |
| 4989.743 | 1.20131E-05 | 800409.26 | 0.001927039 | 0 | 0 |
| 10024.678 | 8.75938E-05 | 795374.32 | 0.006949838 | 0 | 0 |
| 23405.815 | 0.001158627 | 781993.19 | 0.038709981 | 0 | 0 |
| 50638.543 | 0.015336023 | 754760.46 | 0.22858129 | 0 | 0 |
| 50638.543 | 0.015336023 | 754760.46 | 0.22858129 | 0 | 0 |
| 50638.543 | 0.015336023 | 754760.46 | 0.22858129 | 0 | 0 |
| 50638.543 | 0.015336023 | 754760.46 | 0.22858129 | 0 | 0 |
| 0 | 0 | 4140.9325 | 3.44793E-06 | 0 | 0 |
| 111.26464 | 9.12708E-08 | 67932.019 | 5.57249E-05 | 0 | 0 |
| 215.76555 | 1.76993E-07 | 131734.48 | 0.000108062 | 0 | 0 |
| 320.26646 | 2.62716E-07 | 195536.95 | 0.0001604 | 0 | 0 |
| 424.76738 | 3.48438E-07 | 259339.42 | 0.000212737 | 0 | 0 |
| 522.50457 | 6.84378E-07 | 319012.33 | 0.000417843 | 0 | 0 |
| 627.00548 | 8.21254E-07 | 382814.79 | 0.000501412 | 0 | 0 |
| 835.30592 | 1.08026E-06 | 441489.34 | 0.000570955 | 0 | 0 |
| 1099.9997 | 2.36206E-06 | 492900.66 | 0.001058422 | 0 | 0 |

| | | | | | |
|-----------|-------------|-----------|-------------|---|---|
| 1236.0508 | 2.65421E-06 | 553864.03 | 0.00118933 | 0 | 0 |
| 1372.1019 | 2.94636E-06 | 614827.39 | 0.001320239 | 0 | 0 |
| 1508.153 | 3.23851E-06 | 675790.75 | 0.001451147 | 0 | 0 |
| 1644.2041 | 3.53065E-06 | 736754.11 | 0.001582056 | 0 | 0 |
| 1780.2552 | 3.8228E-06 | 797717.47 | 0.001712964 | 0 | 0 |
| 3211.1286 | 1.84963E-05 | 802187.87 | 0.004620659 | 0 | 0 |
| 6811.4994 | 0.000155346 | 798587.5 | 0.018212889 | 0 | 0 |
| 18598.034 | 0.003188206 | 786800.97 | 0.13487897 | 0 | 0 |
| 51410.068 | 0.091735038 | 753988.93 | 1.3454019 | 0 | 0 |
| 57093.993 | 0.1336428 | 748305.01 | 1.7515954 | 0 | 0 |
| 57093.993 | 0.1336428 | 748305.01 | 1.7515954 | 0 | 0 |
| 57093.993 | 0.1336428 | 748305.01 | 1.7515954 | 0 | 0 |
| 0 | 0 | 5147.5598 | 7.78647E-06 | 0 | 0 |
| 77.678228 | 1.16285E-07 | 68419.675 | 0.000102425 | 0 | 0 |
| 149.52328 | 2.23837E-07 | 131701.43 | 0.000197158 | 0 | 0 |
| 221.36833 | 3.3139E-07 | 194983.19 | 0.000291891 | 0 | 0 |
| 293.21338 | 4.38942E-07 | 258264.95 | 0.000386624 | 0 | 0 |
| 359.22524 | 1.1278E-06 | 316408.8 | 0.000993376 | 0 | 0 |
| 450.02871 | 7.57986E-07 | 382706.23 | 0.000644594 | 0 | 0 |
| 612.76798 | 1.87095E-06 | 434202.53 | 0.001325737 | 0 | 0 |
| 846.124 | 5.11315E-06 | 481970.11 | 0.002912561 | 0 | 0 |
| 983.00052 | 6.66721E-06 | 539196.81 | 0.003657105 | 0 | 0 |
| 1091.3281 | 7.40194E-06 | 598616.79 | 0.004060121 | 0 | 0 |
| 1199.6556 | 8.13667E-06 | 658036.77 | 0.004463137 | 0 | 0 |
| 1307.9832 | 8.8714E-06 | 717456.75 | 0.004866154 | 0 | 0 |
| 1416.3107 | 9.60613E-06 | 776876.73 | 0.00526917 | 0 | 0 |
| 2111.3772 | 2.67548E-05 | 803287.62 | 0.010179024 | 0 | 0 |
| 4659.2241 | 0.000249258 | 800739.78 | 0.042837714 | 0 | 0 |
| 14875.034 | 0.007961612 | 790523.97 | 0.42311468 | 0 | 0 |
| 49329.204 | 0.39420261 | 756069.8 | 6.0419521 | 0 | 0 |
| 63669.506 | 0.98371139 | 741729.49 | 11.459925 | 0 | 0 |
| 63669.506 | 0.98371139 | 741729.49 | 11.459925 | 0 | 0 |
| 63669.506 | 0.98371139 | 741729.49 | 11.459925 | 0 | 0 |
| 0 | 0 | 6646.004 | 1.7193E-05 | 0 | 0 |
| 56.163394 | 1.44216E-07 | 69423.459 | 0.000178265 | 0 | 0 |
| 106.95721 | 2.74644E-07 | 132209.59 | 0.000339486 | 0 | 0 |
| 157.75102 | 4.05071E-07 | 194995.72 | 0.000500708 | 0 | 0 |
| 208.54483 | 5.35499E-07 | 257781.85 | 0.000661929 | 0 | 0 |
| 259.33865 | 6.65927E-07 | 320567.99 | 0.000823151 | 0 | 0 |
| 343.19241 | 1.34737E-06 | 375808.57 | 0.001475422 | 0 | 0 |
| 461.20743 | 3.16048E-06 | 427514.9 | 0.002929598 | 0 | 0 |
| 629.11158 | 8.25824E-06 | 475850.14 | 0.006246404 | 0 | 0 |
| 795.67661 | 1.57707E-05 | 526783.35 | 0.010441109 | 0 | 0 |
| 883.45088 | 1.75104E-05 | 584894.94 | 0.01159291 | 0 | 0 |
| 971.22515 | 1.92502E-05 | 643006.52 | 0.01274471 | 0 | 0 |
| 1058.9994 | 2.09899E-05 | 701118.1 | 0.013896511 | 0 | 0 |
| 1146.7737 | 2.27296E-05 | 759229.68 | 0.015048311 | 0 | 0 |

| | | | | | |
|-----------|-------------|-----------|-------------|---|---|
| 1422.1272 | 3.70228E-05 | 803976.87 | 0.020930251 | 0 | 0 |
| 3226.4575 | 0.000371135 | 802172.54 | 0.092272871 | 0 | 0 |
| 11977.328 | 0.018213134 | 793421.67 | 1.206504 | 0 | 0 |
| 47886.824 | 1.5715394 | 757512.18 | 24.85987 | 0 | 0 |
| 70314.15 | 6.2122259 | 735084.85 | 64.94444 | 0 | 0 |
| 70314.15 | 6.2122259 | 735084.85 | 64.94444 | 0 | 0 |
| 70314.15 | 6.2122259 | 735084.85 | 64.94444 | 0 | 0 |

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|---|---|---|---|-----------|---|---|
| 0 | 0 | 0 | 0 | 194600.98 | 0 | 0 |
| 0 | 0 | 0 | 0 | 194600.91 | 0 | 0 |
| 0 | 0 | 0 | 0 | 194599.78 | 0 | 0 |
| 0 | 0 | 0 | 0 | 194574.57 | 0 | 0 |
| 0 | 0 | 0 | 0 | 194529.84 | 0 | 0 |
| 0 | 0 | 0 | 0 | 194529.84 | 0 | 0 |
| 0 | 0 | 0 | 0 | 194529.84 | 0 | 0 |

| Mol-Fe(s) | Mol-Fe(s2) | Mol-Fe2O3(s) | Mol-Fe3O4(s) | Mol-Fe3O4(s2) | Mol-FeO(s) | g-CO(g) |
|-----------|------------|--------------|--------------|---------------|------------|-----------|
| 0 | 0 | 0 | 0 | 0 | 805399 | 0 |
| 0 | 0 | 0 | 0 | 0 | 738190.36 | 917311.98 |
| 0 | 0 | 0 | 0 | 0 | 670981.72 | 1834624 |
| 0 | 0 | 0 | 0 | 0 | 603773.08 | 2751936 |
| 0 | 0 | 0 | 0 | 0 | 536564.44 | 3669247.9 |
| 0 | 0 | 0 | 0 | 0 | 469355.81 | 4586559.9 |
| 0 | 0 | 0 | 0 | 0 | 402147.17 | 5503871.9 |
| 0 | 0 | 0 | 0 | 0 | 334938.53 | 6421183.9 |
| 0 | 0 | 0 | 0 | 0 | 267729.89 | 7338495.9 |
| 0 | 0 | 0 | 0 | 0 | 200521.25 | 8255807.9 |
| 0 | 0 | 0 | 0 | 0 | 133312.61 | 9173119.8 |
| 0 | 0 | 0 | 0 | 0 | 66103.971 | 10090432 |
| 0 | 0 | 0 | 0 | 0 | 0 | 11038549 |
| 0 | 0 | 0 | 0 | 0 | 0 | 13438457 |
| 0 | 0 | 0 | 0 | 0 | 0 | 15555596 |
| 0 | 0 | 0 | 0 | 0 | 0 | 17725708 |
| 0 | 0 | 0 | 0 | 0 | 0 | 17947133 |
| 0 | 0 | 0 | 0 | 0 | 0 | 17947133 |
| 0 | 0 | 0 | 0 | 0 | 0 | 17947133 |
| 0 | 0 | 0 | 0 | 0 | 0 | 17947133 |
| 0 | 0 | 0 | 0 | 0 | 0 | 17947133 |
| 0 | 0 | 0 | 0 | 0 | 805399 | 0 |
| 0 | 0 | 0 | 0 | 0 | 739167.1 | 944893.47 |
| 0 | 0 | 0 | 0 | 0 | 672935.2 | 1889786.9 |
| 0 | 0 | 0 | 0 | 0 | 606703.31 | 2834680.4 |
| 0 | 0 | 0 | 0 | 0 | 540471.41 | 3779573.9 |
| 0 | 0 | 0 | 0 | 0 | 474239.51 | 4724467.4 |
| 0 | 0 | 0 | 0 | 0 | 408007.61 | 5669360.8 |
| 0 | 0 | 0 | 0 | 0 | 341775.72 | 6614254.3 |
| 0 | 0 | 0 | 0 | 0 | 275543.82 | 7559147.8 |
| 0 | 0 | 0 | 0 | 0 | 209311.92 | 8504041.3 |
| 0 | 0 | 0 | 0 | 0 | 143080.02 | 9448934.7 |
| 0 | 0 | 0 | 0 | 0 | 76848.124 | 10393828 |
| 0 | 0 | 0 | 0 | 0 | 10616.226 | 11338722 |
| 0 | 0 | 0 | 0 | 0 | 0 | 13447083 |
| 0 | 0 | 0 | 0 | 0 | 0 | 15955430 |
| 0 | 0 | 0 | 0 | 0 | 0 | 18251289 |
| 0 | 0 | 0 | 0 | 0 | 0 | 20145427 |
| 0 | 0 | 0 | 0 | 0 | 0 | 20187941 |
| 0 | 0 | 0 | 0 | 0 | 0 | 20187941 |
| 0 | 0 | 0 | 0 | 0 | 0 | 20187941 |
| 0 | 0 | 0 | 0 | 0 | 0 | 20187941 |
| 0 | 0 | 0 | 0 | 0 | 805399 | 0 |
| 0 | 0 | 0 | 0 | 0 | 740290.62 | 963745.68 |
| 0 | 0 | 0 | 0 | 0 | 675182.23 | 1927491.4 |
| 0 | 0 | 0 | 0 | 0 | 610073.85 | 2891237 |

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|---|---|---|---|---|-----------|-----------|
| 0 | 0 | 0 | 0 | 0 | 544965.46 | 3854982.7 |
| 0 | 0 | 0 | 0 | 0 | 479857.08 | 4818728.4 |
| 0 | 0 | 0 | 0 | 0 | 414748.69 | 5782474.1 |
| 0 | 0 | 0 | 0 | 0 | 349640.31 | 6746219.8 |
| 0 | 0 | 0 | 0 | 0 | 284531.93 | 7709965.5 |
| 0 | 0 | 0 | 0 | 0 | 219423.54 | 8673711.1 |
| 0 | 0 | 0 | 0 | 0 | 154315.16 | 9637456.8 |
| 0 | 0 | 0 | 0 | 0 | 89206.773 | 10601203 |
| 0 | 0 | 0 | 0 | 0 | 24098.388 | 11564948 |
| 0 | 0 | 0 | 0 | 0 | 0 | 13609276 |
| 0 | 0 | 0 | 0 | 0 | 0 | 16213901 |
| 0 | 0 | 0 | 0 | 0 | 0 | 18630035 |
| 0 | 0 | 0 | 0 | 0 | 0 | 20597056 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21365172 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21365172 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21365172 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21365172 |
| 0 | 0 | 0 | 0 | 0 | 432690.64 | 0 |
| 0 | 0 | 0 | 0 | 0 | 368184.61 | 985574.99 |
| 0 | 0 | 0 | 0 | 0 | 303689.84 | 1971314.5 |
| 0 | 0 | 0 | 0 | 0 | 239195.06 | 2957054 |
| 0 | 0 | 0 | 0 | 0 | 174700.29 | 3942793.5 |
| 0 | 0 | 0 | 0 | 0 | 482925.13 | 4928697.6 |
| 0 | 0 | 0 | 0 | 0 | 418430.36 | 5914437.1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 7006238.4 |
| 0 | 0 | 0 | 0 | 0 | 0 | 8115197.2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 9129640.2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 10144083 |
| 0 | 0 | 0 | 0 | 0 | 0 | 11158526 |
| 0 | 0 | 0 | 0 | 0 | 0 | 12172969 |
| 0 | 0 | 0 | 0 | 0 | 0 | 13703867 |
| 0 | 0 | 0 | 0 | 0 | 0 | 16375483 |
| 0 | 0 | 0 | 0 | 0 | 0 | 18894461 |
| 0 | 0 | 0 | 0 | 0 | 0 | 20945878 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21946106 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21946106 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21946106 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21946106 |
| 0 | 0 | 0 | 0 | 0 | 402662.46 | 0 |
| 0 | 0 | 0 | 0 | 0 | 338744.04 | 1004989.9 |
| 0 | 0 | 0 | 0 | 0 | 274837.07 | 2010116 |
| 0 | 0 | 0 | 0 | 0 | 210930.11 | 3015242.1 |
| 0 | 0 | 0 | 0 | 0 | 147023.14 | 4020368.2 |
| 0 | 0 | 0 | 0 | 0 | 485864.17 | 5025630.5 |
| 0 | 0 | 0 | 0 | 0 | 421957.2 | 6030756.6 |
| 0 | 0 | 0 | 0 | 0 | 0 | 7254995.2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 8566437.2 |

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|---|---|---|---|---|-----------|-----------|
| 0 | 0 | 0 | 0 | 0 | 0 | 9637273 |
| 0 | 0 | 0 | 0 | 0 | 0 | 10708109 |
| 0 | 0 | 0 | 0 | 0 | 0 | 11778945 |
| 0 | 0 | 0 | 0 | 0 | 0 | 12849780 |
| 0 | 0 | 0 | 0 | 0 | 0 | 13920616 |
| 0 | 0 | 0 | 0 | 0 | 0 | 16475122 |
| 0 | 0 | 0 | 0 | 0 | 0 | 19074466 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21215208 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22178014 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22232818 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22232818 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22232818 |
| 0 | 0 | 0 | 0 | 0 | 366059.86 | 0 |
| 0 | 0 | 0 | 0 | 0 | 302693.8 | 1022335.9 |
| 0 | 0 | 0 | 0 | 0 | 239340.2 | 2044791.3 |
| 0 | 0 | 0 | 0 | 0 | 175986.6 | 3067246.7 |
| 0 | 0 | 0 | 0 | 0 | 112632.99 | 4089702.1 |
| 0 | 0 | 0 | 0 | 0 | 488630.98 | 5112277 |
| 0 | 0 | 0 | 0 | 0 | 0 | 6180142.6 |
| 0 | 0 | 0 | 0 | 0 | 0 | 7477985 |
| 0 | 0 | 0 | 0 | 0 | 0 | 8889802.1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 10064770 |
| 0 | 0 | 0 | 0 | 0 | 0 | 11183098 |
| 0 | 0 | 0 | 0 | 0 | 0 | 12301426 |
| 0 | 0 | 0 | 0 | 0 | 0 | 13419754 |
| 0 | 0 | 0 | 0 | 0 | 0 | 14538082 |
| 0 | 0 | 0 | 0 | 0 | 0 | 16536731 |
| 0 | 0 | 0 | 0 | 0 | 0 | 19195036 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21423757 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22294288 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22378770 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22378770 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22378770 |
| 0 | 0 | 0 | 0 | 0 | 318578.02 | 0 |
| 0 | 0 | 0 | 0 | 0 | 255726.37 | 1037995.5 |
| 0 | 0 | 0 | 0 | 0 | 192889.44 | 2076102.6 |
| 0 | 0 | 0 | 0 | 0 | 130052.52 | 3114209.7 |
| 0 | 0 | 0 | 0 | 0 | 67215.595 | 4152316.8 |
| 0 | 0 | 0 | 0 | 0 | 4378.6702 | 5190423.9 |
| 0 | 0 | 0 | 0 | 0 | 0 | 6380837.4 |
| 0 | 0 | 0 | 0 | 0 | 0 | 7678031.7 |
| 0 | 0 | 0 | 0 | 0 | 0 | 9079653.3 |
| 0 | 0 | 0 | 0 | 0 | 0 | 10423893 |
| 0 | 0 | 0 | 0 | 0 | 0 | 11582118 |
| 0 | 0 | 0 | 0 | 0 | 0 | 12740343 |
| 0 | 0 | 0 | 0 | 0 | 0 | 13898568 |
| 0 | 0 | 0 | 0 | 0 | 0 | 15056793 |

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|---|---|---|---|---|---|----------|
| 0 | 0 | 0 | 0 | 0 | 0 | 16575342 |
| 0 | 0 | 0 | 0 | 0 | 0 | 19275298 |
| 0 | 0 | 0 | 0 | 0 | 0 | 21586043 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22373906 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22458567 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22458567 |
| 0 | 0 | 0 | 0 | 0 | 0 | 22458567 |

| g-CO2(g) | g-FeO(SLAG) | g-SiO2(SLAG) | g-Fe:C(FCC) | g-Si:C(FCC) | g-Fe:Va(FCC) | g-Si:Va(FCC) |
|-----------|-------------|--------------|-------------|-------------|--------------|--------------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 758281.4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1516562.8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2274844.2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3033125.6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3791407 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4549688.4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5307969.8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6066251.2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6824532.6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7582814 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8341095.4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9050868 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7165507 | 0 | 0 | 490029.8 | 1.10673E-05 | 24921413 | 0.000479037 |
| 5502287.2 | 0 | 0 | 1331722.5 | 6.4634E-05 | 43883113 | 0.001812682 |
| 3797453.1 | 0 | 0 | 2095966.3 | 0.000253467 | 43254142 | 0.004451864 |
| 3623502.3 | 0 | 0 | 2201656.3 | 0.000296148 | 43167159 | 0.004941852 |
| 3623502.3 | 0 | 0 | 2201656.3 | 0.000296148 | 43167159 | 0.004941852 |
| 3623502.3 | 0 | 0 | 2201656.3 | 0.000296148 | 43167159 | 0.004941852 |
| 3623502.3 | 0 | 0 | 2201656.3 | 0.000296148 | 43167159 | 0.004941852 |
| 3623502.3 | 0 | 0 | 2201656.3 | 0.000296148 | 43167159 | 0.004941852 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 715120.36 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1430240.7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2145361.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2860481.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3575601.8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4290722.2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5005842.6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5720962.9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6436083.3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7151203.6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7866324 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8581444.4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7158730.3 | 0 | 0 | 492865.26 | 3.37578E-05 | 44573491 | 0.002598358 |
| 5188179.3 | 0 | 0 | 847404.5 | 0.000148861 | 44281706 | 0.006620515 |
| 3384557.9 | 0 | 0 | 1459329.7 | 0.000731572 | 43778093 | 0.018678309 |
| 1896527.7 | 0 | 0 | 2557859.8 | 0.00437393 | 42874005 | 0.062397334 |
| 1863129 | 0 | 0 | 2596505.9 | 0.004599708 | 42842199 | 0.064593615 |
| 1863129 | 0 | 0 | 2596505.9 | 0.004599708 | 42842199 | 0.064593615 |
| 1863129 | 0 | 0 | 2596505.9 | 0.004599708 | 42842199 | 0.064593615 |
| 1863129 | 0 | 0 | 2596505.9 | 0.004599708 | 42842199 | 0.064593615 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 675587.31 | 0 | 0 | 16452.43 | 1.76648E-06 | 3622567.6 | 0.000331034 |
| 1351174.6 | 0 | 0 | 32904.86 | 3.53296E-06 | 7245135.3 | 0.000662067 |
| 2026761.9 | 0 | 0 | 49357.29 | 5.29944E-06 | 10867703 | 0.000993101 |

| | | | | | | |
|-----------|-----------|-----------|-----------|-------------|-----------|-------------|
| 2702349.3 | 0 | 0 | 65809.72 | 7.06592E-06 | 14490271 | 0.001324135 |
| 3377936.6 | 0 | 0 | 82262.15 | 8.8324E-06 | 18112838 | 0.001655169 |
| 4053523.9 | 0 | 0 | 98714.58 | 1.05989E-05 | 21735406 | 0.001986202 |
| 4729111.2 | 0 | 0 | 115167.01 | 1.23654E-05 | 25357973 | 0.002317236 |
| 5404698.5 | 0 | 0 | 131619.44 | 1.41318E-05 | 28980541 | 0.00264827 |
| 6080285.8 | 0 | 0 | 148071.87 | 1.58983E-05 | 32603109 | 0.002979304 |
| 6755873.1 | 0 | 0 | 164524.3 | 1.76648E-05 | 36225676 | 0.003310337 |
| 7431460.5 | 0 | 0 | 180976.73 | 1.94313E-05 | 39848244 | 0.003641371 |
| 8107047.8 | 0 | 0 | 197429.16 | 2.11978E-05 | 43470812 | 0.003972405 |
| 7031312 | 0 | 0 | 296401.13 | 5.78965E-05 | 44735181 | 0.007437012 |
| 4985124.9 | 0 | 0 | 534318.15 | 0.000285966 | 44539375 | 0.020287827 |
| 3087015.9 | 0 | 0 | 1000554.3 | 0.001739428 | 44155664 | 0.065332462 |
| 1541729.5 | 0 | 0 | 2010801.2 | 0.015158871 | 43324233 | 0.27797487 |
| 938300.8 | 0 | 0 | 3009240.8 | 0.058698625 | 42502519 | 0.7056065 |
| 938300.8 | 0 | 0 | 3009240.8 | 0.058698625 | 42502519 | 0.7056065 |
| 938300.8 | 0 | 0 | 3009240.8 | 0.058698625 | 42502519 | 0.7056065 |
| 938300.8 | 0 | 0 | 3009240.8 | 0.058698625 | 42502519 | 0.70560651 |
| 0 | 26038305 | 11692465 | 0 | 0 | 191593.76 | 4.14407E-05 |
| 644698.97 | 26038833 | 11692465 | 11194.992 | 2.78292E-06 | 3783891.9 | 0.000800557 |
| 1289505.5 | 26038833 | 11692465 | 21825.482 | 5.42551E-06 | 7376982.7 | 0.001560746 |
| 1934312.1 | 26038833 | 11692465 | 32455.971 | 8.0681E-06 | 10970073 | 0.002320935 |
| 2579118.7 | 26038833 | 11692465 | 43086.461 | 1.07107E-05 | 14563164 | 0.003081124 |
| 3224032.9 | 0 | 0 | 53152.447 | 1.59698E-05 | 17965454 | 0.004594017 |
| 3868839.5 | 0 | 0 | 63782.937 | 1.91638E-05 | 21558545 | 0.00551282 |
| 4343726.3 | 25066355 | 11692465 | 79464.607 | 2.42972E-05 | 25094920 | 0.006530487 |
| 4791372.9 | 20911877 | 10089377 | 95581.962 | 3.51678E-05 | 28389519 | 0.008890045 |
| 5390320.1 | 16459409 | 7941189.6 | 107385.05 | 3.95105E-05 | 31895243 | 0.009987846 |
| 5989267.3 | 12006942 | 5793002.6 | 119188.14 | 4.38533E-05 | 35400967 | 0.011085647 |
| 6588214.6 | 7554474.2 | 3644815.6 | 130991.22 | 4.8196E-05 | 38906691 | 0.012183448 |
| 7187161.8 | 3102006.7 | 1496628.6 | 142794.31 | 5.25388E-05 | 42412415 | 0.013281249 |
| 6957001.1 | 0 | 0 | 181822.29 | 9.01279E-05 | 44829479 | 0.018912666 |
| 4858186.7 | 0 | 0 | 338593.99 | 0.000481685 | 44700456 | 0.054121861 |
| 2879283.6 | 0 | 0 | 680254.61 | 0.003512206 | 44419270 | 0.19518968 |
| 1267697.7 | 0 | 0 | 1588271.8 | 0.046456899 | 43671974 | 1.0871892 |
| 481930.17 | 0 | 0 | 3436230.3 | 0.61492085 | 42151107 | 6.4198201 |
| 481930.17 | 0 | 0 | 3436230.3 | 0.61492085 | 42151107 | 6.4198201 |
| 481930.17 | 0 | 0 | 3436230.3 | 0.61492085 | 42151107 | 6.4198201 |
| 481930.17 | 0 | 0 | 3436230.3 | 0.61492085 | 42151107 | 6.4198201 |
| 0 | 28042636 | 11692465 | 0 | 0 | 231258.66 | 9.68367E-05 |
| 616558.29 | 28043209 | 11692465 | 7550.1958 | 3.65964E-06 | 3793799.5 | 0.001565062 |
| 1233200.2 | 28043209 | 11692465 | 14641.419 | 7.09681E-06 | 7356975.8 | 0.003034985 |
| 1849842 | 28043209 | 11692465 | 21732.642 | 1.0534E-05 | 10920152 | 0.004504908 |
| 2466483.9 | 28043209 | 11692465 | 28823.865 | 1.39712E-05 | 14483328 | 0.005974831 |
| 3083209.4 | 0 | 0 | 35456.116 | 2.74412E-05 | 17815881 | 0.011735337 |
| 3699851.3 | 0 | 0 | 42547.339 | 3.29294E-05 | 21379058 | 0.014082405 |
| 3967656.5 | 25653641 | 11692465 | 56682.19 | 4.33146E-05 | 24655855 | 0.016035566 |
| 4095966.4 | 22080973 | 11076814 | 74643.782 | 9.47105E-05 | 27527023 | 0.029726297 |

| | | | | | | |
|-----------|-----------|-----------|-----------|-------------|-----------|-------------|
| 4607977.1 | 17748469 | 8903434.4 | 83875.938 | 0.000106425 | 30931644 | 0.03340293 |
| 5119987.8 | 13415965 | 6730054.7 | 93108.094 | 0.000118139 | 34336265 | 0.037079564 |
| 5631998.4 | 9083461.5 | 4556674.9 | 102340.25 | 0.000129853 | 37740886 | 0.040756197 |
| 6144009.1 | 4750957.7 | 2383295.1 | 111572.41 | 0.000141567 | 41145507 | 0.04443283 |
| 6656019.8 | 418453.86 | 209915.37 | 120804.56 | 0.000153281 | 44550128 | 0.048109464 |
| 4779910.4 | 0 | 0 | 217900.77 | 0.000741638 | 44799786 | 0.12977353 |
| 2737873.3 | 0 | 0 | 462214.73 | 0.006228816 | 44598716 | 0.5115181 |
| 1056117 | 0 | 0 | 1262025.4 | 0.12783591 | 43940474 | 3.7881434 |
| 299796.25 | 0 | 0 | 3488584.5 | 3.678254 | 42108020 | 37.786286 |
| 256761.85 | 0 | 0 | 3874284.3 | 5.3586086 | 41790590 | 49.194434 |
| 256761.85 | 0 | 0 | 3874284.3 | 5.3586086 | 41790590 | 49.194434 |
| 256761.85 | 0 | 0 | 3874284.3 | 5.3586086 | 41790590 | 49.194434 |
| 0 | 30455434 | 11692465 | 0 | 0 | 287475.77 | 0.000218687 |
| 590782.33 | 30456086 | 11692465 | 5271.0893 | 4.66261E-06 | 3821033.6 | 0.002876649 |
| 1181633.7 | 30456086 | 11692465 | 10146.351 | 8.97509E-06 | 7355130 | 0.005537279 |
| 1772485.1 | 30456086 | 11692465 | 15021.612 | 1.32876E-05 | 10889226 | 0.008197908 |
| 2363336.4 | 30456086 | 11692465 | 19896.874 | 1.76001E-05 | 14423323 | 0.010858538 |
| 2954256.8 | 0 | 0 | 24376.307 | 4.52208E-05 | 17670482 | 0.027899451 |
| 3472925.5 | 29662164 | 11692465 | 30538.049 | 3.03926E-05 | 21372995 | 0.018103747 |
| 3627090 | 26192221 | 11692465 | 41581.211 | 7.50184E-05 | 24248909 | 0.037233999 |
| 3599070.1 | 22905760 | 11692465 | 57416.284 | 0.00020502 | 26916585 | 0.081800728 |
| 3947432.4 | 18844041 | 9838805.2 | 66704.451 | 0.000267332 | 30112525 | 0.10271162 |
| 4386043.8 | 14614506 | 7630490.5 | 74055.342 | 0.000296792 | 33430952 | 0.11403053 |
| 4824655.3 | 10384971 | 5422175.9 | 81406.233 | 0.000326252 | 36749380 | 0.12534945 |
| 5263266.8 | 6155435.7 | 3213861.3 | 88757.124 | 0.000355712 | 40067807 | 0.13666836 |
| 5701878.2 | 1925900.7 | 1005546.6 | 96108.015 | 0.000385172 | 43386235 | 0.14798727 |
| 4731511.1 | 0 | 0 | 143273.84 | 0.001072772 | 44861204 | 0.28588298 |
| 2643154.2 | 0 | 0 | 316165.64 | 0.009994359 | 44718914 | 1.2031186 |
| 892294.48 | 0 | 0 | 1009390.1 | 0.31923279 | 44148392 | 11.883388 |
| 208671.19 | 0 | 0 | 3347381.2 | 15.806145 | 42224230 | 169.69125 |
| 142567.16 | 0 | 0 | 4320485.5 | 39.443384 | 41423367 | 321.85772 |
| 142567.16 | 0 | 0 | 4320485.5 | 39.443384 | 41423367 | 321.85772 |
| 142567.16 | 0 | 0 | 4320485.5 | 39.443384 | 41423367 | 321.85772 |
| 0 | 33543859 | 11692465 | 0 | 0 | 371159.38 | 0.000482874 |
| 567124.98 | 33544659 | 11692465 | 3811.1357 | 5.78255E-06 | 3877091.9 | 0.005006657 |
| 1134310.9 | 33544659 | 11692465 | 7257.9023 | 1.10122E-05 | 7383509 | 0.009534645 |
| 1701496.9 | 33544659 | 11692465 | 10704.669 | 1.62419E-05 | 10889926 | 0.014062633 |
| 2268682.8 | 33544659 | 11692465 | 14151.436 | 2.14716E-05 | 14396343 | 0.018590621 |
| 2835868.8 | 33544659 | 11692465 | 17598.202 | 2.67013E-05 | 17902760 | 0.023118609 |
| 3162296.7 | 30173050 | 11692465 | 23288.351 | 5.40249E-05 | 20987781 | 0.041437961 |
| 3319447.8 | 26683656 | 11692465 | 31296.614 | 0.000126724 | 23875424 | 0.082279225 |
| 3310327.5 | 23360060 | 11692465 | 42690.255 | 0.000331127 | 26574803 | 0.17543337 |
| 3391425.1 | 19771544 | 10757989 | 53993.025 | 0.00063235 | 29419270 | 0.29324378 |
| 3768254.9 | 15629685 | 8504342.4 | 59949.211 | 0.000702107 | 32664628 | 0.32559268 |
| 4145084.7 | 11487826 | 6250695.8 | 65905.398 | 0.000771864 | 35909985 | 0.35794157 |
| 4521914.5 | 7345967.5 | 3997049.3 | 71861.585 | 0.000841621 | 39155342 | 0.39029047 |
| 4898744.3 | 3204108.5 | 1743402.7 | 77817.771 | 0.000911379 | 42400700 | 0.42263936 |

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| 4701178.3 | 0 | 0 | 96502.709 | 0.001484485 | 44899697 | 0.58783657 |
| 2580102.8 | 0 | 0 | 218940.96 | 0.014881224 | 44798930 | 2.5915298 |
| 764837.34 | 0 | 0 | 812757.57 | 0.73028292 | 44310220 | 33.88527 |
| 147004.08 | 0 | 0 | 3249504.2 | 63.013229 | 42304783 | 698.20189 |
| 82462.653 | 0 | 0 | 4771377.7 | 249.08852 | 41052284 | 1823.9971 |
| 82462.653 | 0 | 0 | 4771377.7 | 249.08852 | 41052284 | 1823.9971 |
| 82462.653 | 0 | 0 | 4771377.7 | 249.08852 | 41052284 | 1823.9971 |

| | | | | | | | | |
|---|---|---|---|----------|---|---|---|---|
| 0 | 0 | 0 | 0 | 11692464 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 11692459 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 11692391 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 11690877 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 11688190 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 11688190 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 11688190 | 0 | 0 | 0 | 0 |

| g-Fe2O3(s) | g-Fe3O4(s) | g-Fe3O4(s2) | g-FeO(s) | a-CO(g) | a-CO2(g) | a-FeO(SLAG) | a-SiO2(SLAG) |
|------------|------------|-------------|-----------|------------|-------------|-------------|--------------|
| 0 | 0 | 0 | 57865017 | 1E-75 | 1E-75 | 0.29702066 | 0.59572583 |
| 0 | 0 | 0 | 53036318 | 0.65525727 | 0.34474273 | 0.29702066 | 0.59572583 |
| 0 | 0 | 0 | 48207619 | 0.65525727 | 0.34474273 | 0.29702066 | 0.59572583 |
| 0 | 0 | 0 | 43378921 | 0.65525727 | 0.34474273 | 0.29702066 | 0.59572583 |
| 0 | 0 | 0 | 38550222 | 0.65525727 | 0.34474273 | 0.29702066 | 0.59572583 |
| 0 | 0 | 0 | 33721524 | 0.65525727 | 0.34474273 | 0.29702066 | 0.59572583 |
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| 0 | 0 | 0 | 24064127 | 0.65525727 | 0.34474273 | 0.29702066 | 0.59572583 |
| 0 | 0 | 0 | 19235428 | 0.65525727 | 0.34474273 | 0.29702066 | 0.59572583 |
| 0 | 0 | 0 | 14406729 | 0.65525727 | 0.34474273 | 0.29702066 | 0.59572583 |
| 0 | 0 | 0 | 9578030.8 | 0.65525727 | 0.34474273 | 0.29702066 | 0.59572583 |
| 0 | 0 | 0 | 4749332.2 | 0.65525727 | 0.34474273 | 0.29702066 | 0.59572583 |
| 0 | 0 | 0 | 0 | 0.6570937 | 0.3429063 | 0.29461174 | 0.59572583 |
| 0 | 0 | 0 | 0 | 0.74662229 | 0.25337771 | 0.19154286 | 0.59572583 |
| 0 | 0 | 0 | 0 | 0.81624228 | 0.18375772 | 0.12580829 | 0.59572583 |
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| 0 | 0 | 0 | 0 | 0.88613197 | 0.11386803 | 0.070356716 | 0.59572583 |
| 0 | 0 | 0 | 0 | 0.88613197 | 0.11386803 | 0.070356716 | 0.59572583 |
| 0 | 0 | 0 | 0 | 0.88613197 | 0.11386803 | 0.070356716 | 0.59572583 |
| 0 | 0 | 0 | 0 | 0.88613197 | 0.11386803 | 0.070356716 | 0.59572583 |
| 0 | 0 | 0 | 0 | 0.88613197 | 0.11386803 | 0.070356716 | 0.59572583 |
| 0 | 0 | 0 | 57865017 | 1E-75 | 1E-75 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 53106493 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 48347970 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 43589447 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 38830924 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 34072400 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 29313877 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 24555354 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 19796831 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 15038307 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 10279784 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 5521260.9 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 762737.6 | 0.67490572 | 0.32509428 | 0.34703022 | 0.63226118 |
| 0 | 0 | 0 | 0 | 0.74692256 | 0.25307744 | 0.24362812 | 0.63226118 |
| 0 | 0 | 0 | 0 | 0.82853115 | 0.17146885 | 0.14774648 | 0.63226118 |
| 0 | 0 | 0 | 0 | 0.89443344 | 0.10556656 | 0.083155232 | 0.63226118 |
| 0 | 0 | 0 | 0 | 0.94346979 | 0.056530214 | 0.041116757 | 0.63226118 |
| 0 | 0 | 0 | 0 | 0.94452054 | 0.055479462 | 0.040267737 | 0.63226118 |
| 0 | 0 | 0 | 0 | 0.94452054 | 0.055479462 | 0.040267737 | 0.63226118 |
| 0 | 0 | 0 | 0 | 0.94452054 | 0.055479462 | 0.040267737 | 0.63226118 |
| 0 | 0 | 0 | 0 | 0.94452054 | 0.055479462 | 0.040267737 | 0.63226118 |
| 0 | 0 | 0 | 57865017 | 1E-75 | 1E-75 | 0.40011728 | 0.66353388 |
| 0 | 0 | 0 | 53187214 | 0.69148724 | 0.30851276 | 0.40011728 | 0.66353388 |
| 0 | 0 | 0 | 48509411 | 0.69148724 | 0.30851276 | 0.40011728 | 0.66353388 |
| 0 | 0 | 0 | 43831608 | 0.69148724 | 0.30851276 | 0.40011728 | 0.66353388 |

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| 0 | 0 | 0 | 39153805 | 0.69148724 | 0.30851276 | 0.40011728 | 0.66353388 |
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| 0 | 0 | 0 | 29798200 | 0.69148724 | 0.30851276 | 0.40011728 | 0.66353388 |
| 0 | 0 | 0 | 25120397 | 0.69148724 | 0.30851276 | 0.40011728 | 0.66353388 |
| 0 | 0 | 0 | 20442594 | 0.69148724 | 0.30851276 | 0.40011728 | 0.66353388 |
| 0 | 0 | 0 | 15764791 | 0.69148724 | 0.30851276 | 0.40011728 | 0.66353388 |
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| 0 | 0 | 0 | 6409185.2 | 0.69148724 | 0.30851276 | 0.40011728 | 0.66353388 |
| 0 | 0 | 0 | 1731382.4 | 0.69148724 | 0.30851276 | 0.40011728 | 0.66353388 |
| 0 | 0 | 0 | 0 | 0.75254177 | 0.24745823 | 0.29437719 | 0.66353388 |
| 0 | 0 | 0 | 0 | 0.83634039 | 0.16365961 | 0.17437495 | 0.66353388 |
| 0 | 0 | 0 | 0 | 0.90459934 | 0.09540066 | 0.093087897 | 0.66353388 |
| 0 | 0 | 0 | 0 | 0.95452624 | 0.045473757 | 0.0411096 | 0.66353388 |
| 0 | 0 | 0 | 0 | 0.97280851 | 0.027191489 | 0.023521733 | 0.66353388 |
| 0 | 0 | 0 | 0 | 0.97280851 | 0.027191489 | 0.023521733 | 0.66353388 |
| 0 | 0 | 0 | 0 | 0.97280851 | 0.027191489 | 0.023521733 | 0.66353388 |
| 0 | 0 | 0 | 0 | 0.97280851 | 0.027191489 | 0.023521733 | 0.66353388 |
| 0 | 0 | 0 | 31087264 | 1E-75 | 1E-75 | 0.45598773 | 0.5720836 |
| 0 | 0 | 0 | 26452738 | 0.70605037 | 0.29394963 | 0.45598773 | 0.57205885 |
| 0 | 0 | 0 | 21819021 | 0.70605037 | 0.29394963 | 0.45598773 | 0.57205885 |
| 0 | 0 | 0 | 17185304 | 0.70605037 | 0.29394963 | 0.45598773 | 0.57205885 |
| 0 | 0 | 0 | 12551586 | 0.70605037 | 0.29394963 | 0.45598773 | 0.57205885 |
| 0 | 0 | 0 | 34696431 | 0.70605037 | 0.29394963 | 0.45598773 | 0.69141966 |
| 0 | 0 | 0 | 30062714 | 0.70605037 | 0.29394963 | 0.45598773 | 0.69141966 |
| 0 | 0 | 0 | 0 | 0.71705598 | 0.28294402 | 0.4321037 | 0.63283145 |
| 0 | 0 | 0 | 0 | 0.7268617 | 0.2731383 | 0.41143256 | 0.69141966 |
| 0 | 0 | 0 | 0 | 0.7268617 | 0.2731383 | 0.41143256 | 0.69141966 |
| 0 | 0 | 0 | 0 | 0.7268617 | 0.2731383 | 0.41143256 | 0.69141966 |
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| 0 | 0 | 0 | 0 | 0.7268617 | 0.2731383 | 0.41143256 | 0.69141966 |
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| 0 | 0 | 0 | 0 | 0.91158666 | 0.088413343 | 0.10510704 | 0.69141966 |
| 0 | 0 | 0 | 0 | 0.96290869 | 0.03709131 | 0.040945798 | 0.69141966 |
| 0 | 0 | 0 | 0 | 0.98621621 | 0.013783792 | 0.014188038 | 0.69141966 |
| 0 | 0 | 0 | 0 | 0.98621621 | 0.013783792 | 0.014188038 | 0.69141966 |
| 0 | 0 | 0 | 0 | 0.98621621 | 0.013783792 | 0.014188038 | 0.69141966 |
| 0 | 0 | 0 | 0 | 0.98621621 | 0.013783792 | 0.014188038 | 0.69141966 |
| 0 | 0 | 0 | 28929847 | 1E-75 | 1E-75 | 0.51435186 | 0.44972779 |
| 0 | 0 | 0 | 24337539 | 0.71918374 | 0.28081626 | 0.51435186 | 0.44971203 |
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| 0 | 0 | 0 | 15154568 | 0.71918374 | 0.28081626 | 0.51435186 | 0.44971203 |
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| 0 | 0 | 0 | 0 | 0.74180112 | 0.25819888 | 0.45838811 | 0.5644034 |
| 0 | 0 | 0 | 0 | 0.76668484 | 0.23331516 | 0.4006299 | 0.71806796 |

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| 0 | 0 | 0 | 0 | 0.76668484 | 0.23331516 | 0.4006299 | 0.71806796 |
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| 0 | 0 | 0 | 0 | 0.76668484 | 0.23331516 | 0.4006299 | 0.71806796 |
| 0 | 0 | 0 | 0 | 0.76668484 | 0.23331516 | 0.4006299 | 0.71806796 |
| 0 | 0 | 0 | 0 | 0.84412762 | 0.15587238 | 0.24265872 | 0.71806796 |
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| 0 | 0 | 0 | 0 | 0.99270332 | 0.007296681 | 0.008863724 | 0.71806796 |
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| 0 | 0 | 0 | 26300082 | 1E-75 | 1E-75 | 0.57492903 | 0.35455122 |
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| 0 | 0 | 0 | 12644003 | 0.73110463 | 0.26889537 | 0.57492903 | 0.35454054 |
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| 0 | 0 | 0 | 0 | 0.73656299 | 0.26343701 | 0.55906153 | 0.37732409 |
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| 0 | 0 | 0 | 0 | 0.79511953 | 0.20488047 | 0.40253827 | 0.70556776 |
| 0 | 0 | 0 | 0 | 0.80024276 | 0.19975724 | 0.38993317 | 0.74354482 |
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| 0 | 0 | 0 | 0 | 0.84594906 | 0.15405094 | 0.28423379 | 0.74354482 |
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| 0 | 0 | 0 | 0 | 0.97417621 | 0.025823793 | 0.040674696 | 0.74354482 |
| 0 | 0 | 0 | 0 | 0.99407812 | 0.005921876 | 0.008648784 | 0.74354482 |
| 0 | 0 | 0 | 0 | 0.99596173 | 0.004038275 | 0.005729654 | 0.74354482 |
| 0 | 0 | 0 | 0 | 0.99596173 | 0.004038275 | 0.005729654 | 0.74354482 |
| 0 | 0 | 0 | 0 | 0.99596173 | 0.004038275 | 0.005729654 | 0.74354482 |
| 0 | 0 | 0 | 22888683 | 1E-75 | 1E-75 | 0.63745096 | 0.27916258 |
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| 0 | 0 | 0 | 9343805 | 0.7419835 | 0.2580165 | 0.63745096 | 0.27915485 |
| 0 | 0 | 0 | 4829198.4 | 0.7419835 | 0.2580165 | 0.63745096 | 0.27915485 |
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| 0 | 0 | 0 | 0 | 0.7602111 | 0.2397889 | 0.57815323 | 0.35143267 |
| 0 | 0 | 0 | 0 | 0.78421509 | 0.21578491 | 0.50426831 | 0.4673532 |
| 0 | 0 | 0 | 0 | 0.81165887 | 0.18834113 | 0.42514898 | 0.63778464 |
| 0 | 0 | 0 | 0 | 0.82845072 | 0.17154928 | 0.37932315 | 0.76791571 |
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| 0 | 0 | 0 | 0 | 0.82845072 | 0.17154928 | 0.37932315 | 0.76791571 |
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|---|---|---|---|------------|-------------|-------------|------------|
| 0 | 0 | 0 | 0 | 0.84708767 | 0.15291233 | 0.33058877 | 0.76791571 |
| 0 | 0 | 0 | 0 | 0.92149475 | 0.078505249 | 0.15566355 | 0.76791571 |
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|-------------|-------------|------------|-------------|-------------|-------------|------------|
| 0.000109339 | 1.45662E-17 | 0.99622705 | 3.09656E-16 | 4.50352E-23 | 1.84054E-30 | 0.99729208 |
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| 0.000109339 | 1.45662E-17 | 0.99622705 | 3.09656E-16 | 4.50352E-23 | 1.84054E-30 | 0.99729208 |
| 0.000109339 | 1.45662E-17 | 0.99622705 | 3.09656E-16 | 4.50352E-23 | 1.84054E-30 | 0.99729208 |
| 0.000109339 | 1.45662E-17 | 0.99622705 | 3.09656E-16 | 4.50352E-23 | 1.84054E-30 | 0.99729208 |
| 0.000109339 | 1.45662E-17 | 0.99622705 | 3.09656E-16 | 4.50352E-23 | 1.84054E-30 | 0.99729208 |
| 0.000109339 | 1.45662E-17 | 0.99622705 | 3.09656E-16 | 4.50352E-23 | 1.84054E-30 | 0.99729208 |
| 0.000109339 | 1.45662E-17 | 0.99622705 | 3.09656E-16 | 4.50352E-23 | 1.84054E-30 | 0.99729208 |
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| 0.003149273 | 1.25797E-12 | 0.92458089 | 1.60705E-12 | 1.818E-18 | 4.10151E-22 | 0.92200947 |
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| 8.54183E-05 | 1.68301E-16 | 0.99775708 | 1.51914E-14 | 4.40675E-23 | 8.59495E-29 | 0.99270458 |
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| 8.54183E-05 | 1.68301E-16 | 0.99775708 | 1.51914E-14 | 4.40675E-23 | 8.59495E-29 | 0.99270458 |
| 8.54183E-05 | 1.68301E-16 | 0.99775708 | 1.51914E-14 | 4.40675E-23 | 8.59495E-29 | 0.99270458 |
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| 1E-75 | 1E-75 | 1 | 1.98891E-14 | 1E-75 | 1E-75 | 0.9937781 |
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| 7.30419E-05 | 1.61613E-15 | 0.99848492 | 4.74915E-13 | 5.11776E-23 | 3.03814E-27 | 0.99193813 |
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| 7.30419E-05 | 1.61613E-15 | 0.99848492 | 4.74915E-13 | 5.11776E-23 | 3.03814E-27 | 0.99193813 |
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| 5.0762E-16 | 8.66206E-16 | 0.66353151 | 0.61308867 | 0.001012697 | 0.40011924 | 0.65845339 |
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| 2.63876E-15 | 4.50279E-15 | 0.66353151 | 0.60918696 | 3.67654E-05 | 0.17437581 | 0.65845339 |
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| 2.42758E-15 | 4.20633E-15 | 0.57208152 | 0.65020031 | 0.00157193 | 0.45598995 | 0.4866961 |
| 2.4156E-15 | 4.18557E-15 | 0.57205677 | 0.64860792 | 0.001575789 | 0.45598995 | 0.48667505 |
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| 2.59065E-12 | 4.48887E-12 | 0.69141715 | 0.60116278 | 1.59355E-09 | 0.014188107 | 0.58822042 |
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| 9.20381E-15 | 1.61732E-14 | 0.44972613 | 0.68411929 | 0.002363185 | 0.51435435 | 0.32746035 |
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| 1.46472E-14 | 2.57385E-14 | 0.71806531 | 0.68299463 | 0.002367077 | 0.51435435 | 0.52284691 |
| 1.46472E-14 | 2.57385E-14 | 0.71806531 | 0.68299463 | 0.002367077 | 0.51435435 | 0.52284691 |
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| 2.41139E-14 | 4.23736E-14 | 0.71806531 | 0.68258486 | 0.000871776 | 0.40063185 | 0.52284691 |

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| 2.41139E-14 | 4.23736E-14 | 0.71806531 | 0.68258486 | 0.000871776 | 0.40063185 | 0.52284691 |
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| 3.01698E-11 | 5.30152E-11 | 0.71806531 | 0.63195889 | 4.41968E-10 | 0.010486367 | 0.52284691 |
| 4.1334E-11 | 7.26333E-11 | 0.71806531 | 0.62524423 | 2.28036E-10 | 0.008863767 | 0.52284691 |
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| 4.1334E-11 | 7.26333E-11 | 0.71806531 | 0.62524423 | 2.28036E-10 | 0.008863767 | 0.52284691 |
| 3.11232E-14 | 5.54015E-14 | 0.35454989 | 0.71719235 | 0.003440452 | 0.57493181 | 0.22072733 |
| 3.10514E-14 | 5.52738E-14 | 0.3545392 | 0.71637612 | 0.003444372 | 0.57493181 | 0.22072068 |
| 3.10514E-14 | 5.52738E-14 | 0.3545392 | 0.71637612 | 0.003444372 | 0.57493181 | 0.22072068 |
| 3.10514E-14 | 5.52738E-14 | 0.3545392 | 0.71637612 | 0.003444372 | 0.57493181 | 0.22072068 |
| 3.10514E-14 | 5.52738E-14 | 0.3545392 | 0.71637612 | 0.003444372 | 0.57493181 | 0.22072068 |
| 6.51213E-14 | 1.15921E-13 | 0.74354203 | 0.71637612 | 0.003444372 | 0.57493181 | 0.46289692 |
| 3.49465E-14 | 6.22074E-14 | 0.37732267 | 0.71634687 | 0.003079706 | 0.55906424 | 0.23490468 |
| 6.34563E-14 | 1.12957E-13 | 0.51043105 | 0.71617715 | 0.001708078 | 0.48243141 | 0.31777217 |
| 1.259E-13 | 2.24111E-13 | 0.70556511 | 0.71592855 | 0.000828234 | 0.40254021 | 0.43925414 |
| 1.41374E-13 | 2.51656E-13 | 0.74354203 | 0.71587975 | 0.000729314 | 0.38993506 | 0.46289692 |
| 1.41374E-13 | 2.51656E-13 | 0.74354203 | 0.71587975 | 0.000729314 | 0.38993506 | 0.46289692 |
| 1.41374E-13 | 2.51656E-13 | 0.74354203 | 0.71587975 | 0.000729314 | 0.38993506 | 0.46289692 |
| 1.41374E-13 | 2.51656E-13 | 0.74354203 | 0.71587975 | 0.000729314 | 0.38993506 | 0.46289692 |
| 1.41374E-13 | 2.51656E-13 | 0.74354203 | 0.71587975 | 0.000729314 | 0.38993506 | 0.46289692 |
| 2.65638E-13 | 4.72855E-13 | 0.74354203 | 0.71529671 | 0.000206068 | 0.28423516 | 0.46289692 |
| 1.14689E-12 | 2.04156E-12 | 0.74354203 | 0.71296816 | 1.0947E-05 | 0.13634684 | 0.46289692 |
| 1.25362E-11 | 2.23153E-11 | 0.74354203 | 0.70318964 | 8.79061E-08 | 0.040674892 | 0.46289692 |
| 2.48229E-10 | 4.41866E-10 | 0.74354203 | 0.66534503 | 1.89919E-10 | 0.008648826 | 0.46289692 |
| 5.35826E-10 | 9.5381E-10 | 0.74354203 | 0.64759846 | 3.75839E-11 | 0.005729682 | 0.46289692 |
| 5.35826E-10 | 9.5381E-10 | 0.74354203 | 0.64759846 | 3.75839E-11 | 0.005729682 | 0.46289692 |
| 5.35826E-10 | 9.5381E-10 | 0.74354203 | 0.64759846 | 3.75839E-11 | 0.005729682 | 0.46289692 |
| 9.46938E-14 | 1.70579E-13 | 0.27916152 | 0.74945401 | 0.004865639 | 0.63745403 | 0.14852142 |
| 9.45377E-14 | 1.70298E-13 | 0.27915378 | 0.74884671 | 0.004869585 | 0.63745403 | 0.14851731 |
| 9.45377E-14 | 1.70298E-13 | 0.27915378 | 0.74884671 | 0.004869585 | 0.63745403 | 0.14851731 |
| 9.45377E-14 | 1.70298E-13 | 0.27915378 | 0.74884671 | 0.004869585 | 0.63745403 | 0.14851731 |
| 9.45377E-14 | 1.70298E-13 | 0.27915378 | 0.74884671 | 0.004869585 | 0.63745403 | 0.14851731 |
| 9.45377E-14 | 1.70298E-13 | 0.27915378 | 0.74884671 | 0.004869585 | 0.63745403 | 0.14851731 |
| 1.4465E-13 | 2.6057E-13 | 0.35143133 | 0.74876833 | 0.003295506 | 0.57815601 | 0.1869709 |
| 2.52778E-13 | 4.5535E-13 | 0.46735141 | 0.74864372 | 0.001907521 | 0.50427074 | 0.2486435 |
| 4.85062E-13 | 8.73781E-13 | 0.6377822 | 0.74846051 | 0.000964036 | 0.42515103 | 0.33931725 |
| 7.33391E-13 | 1.32112E-12 | 0.76791278 | 0.74831853 | 0.00061101 | 0.37932497 | 0.40855022 |
| 7.33391E-13 | 1.32112E-12 | 0.76791278 | 0.74831853 | 0.00061101 | 0.37932497 | 0.40855022 |
| 7.33391E-13 | 1.32112E-12 | 0.76791278 | 0.74831853 | 0.00061101 | 0.37932497 | 0.40855022 |
| 7.33391E-13 | 1.32112E-12 | 0.76791278 | 0.74831853 | 0.00061101 | 0.37932497 | 0.40855022 |
| 7.33391E-13 | 1.32112E-12 | 0.76791278 | 0.74831853 | 0.00061101 | 0.37932497 | 0.40855022 |

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|-------------|-------------|------------|------------|-------------|-------------|------------|
| 9.65054E-13 | 1.73843E-12 | 0.76791278 | 0.74812356 | 0.000352596 | 0.33059036 | 0.40855022 |
| 4.3328E-12 | 7.80501E-12 | 0.76791278 | 0.7464152 | 1.73726E-05 | 0.1556643 | 0.40855022 |
| 6.1837E-11 | 1.11392E-10 | 0.76791278 | 0.73781172 | 8.2376E-08 | 0.040729983 | 0.40855022 |
| 1.79831E-09 | 3.23944E-09 | 0.76791278 | 0.69733311 | 8.2234E-11 | 0.007138394 | 0.40855022 |
| 5.75824E-09 | 1.03728E-08 | 0.76791278 | 0.668275 | 7.05906E-12 | 0.00382299 | 0.40855022 |
| 5.75824E-09 | 1.03728E-08 | 0.76791278 | 0.668275 | 7.05906E-12 | 0.00382299 | 0.40855022 |
| 5.75824E-09 | 1.03728E-08 | 0.76791278 | 0.668275 | 7.05906E-12 | 0.00382299 | 0.40855022 |

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|------------|-------------|------------|-------------|------------|------------|------------|
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.99729215 | 0.99622706 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.99729215 | 0.99622706 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.99729215 | 0.99622706 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.99729215 | 0.99622706 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.99729215 | 0.99622706 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.99729215 | 0.99622706 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.99729215 | 0.99622706 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.99729215 | 0.99622706 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.99553591 | 0.99447269 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.99094536 | 0.98988705 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.98157201 | 0.98052371 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.9596091 | 0.95858425 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.93581013 | 0.9348107 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.93581013 | 0.9348107 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.93581013 | 0.9348107 |
| 0.99380118 | 0.036188582 | 1 | 0.13263866 | 0.994778 | 0.93581013 | 0.9348107 |
| 0.8149707 | 0.023908565 | 0.82740429 | 0.090732164 | 0.82391791 | 0.99721891 | 1 |
| 0.81493545 | 0.023907531 | 0.8273685 | 0.090728239 | 0.82388227 | 0.99477665 | 0.99755094 |
| 0.81493545 | 0.023907531 | 0.8273685 | 0.090728239 | 0.82388227 | 0.99477665 | 0.99755094 |
| 0.81493545 | 0.023907531 | 0.8273685 | 0.090728239 | 0.82388227 | 0.99477665 | 0.99755094 |
| 0.81493545 | 0.023907531 | 0.8273685 | 0.090728239 | 0.82388227 | 0.99477665 | 0.99755094 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.99477665 | 0.99755094 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.99477665 | 0.99755094 |
| 0.90151001 | 0.026447344 | 0.91526388 | 0.10036674 | 0.91140729 | 0.99460392 | 0.99737773 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.99443749 | 0.99721083 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.99443749 | 0.99721083 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.99443749 | 0.99721083 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.99443749 | 0.99721083 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.99443749 | 0.99721083 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.99386379 | 0.99663554 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.99091109 | 0.9936746 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.98428666 | 0.9870317 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.96545476 | 0.96814728 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.92200954 | 0.9245809 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.92200954 | 0.9245809 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.92200954 | 0.9245809 |
| 0.98497278 | 0.028895868 | 1 | 0.1096588 | 0.99578636 | 0.92200954 | 0.9245809 |
| 0.6117362 | 0.014505498 | 0.62630254 | 0.056841147 | 0.62417341 | 0.99493622 | 1 |
| 0.61171477 | 0.01450499 | 0.6262806 | 0.056839156 | 0.62415155 | 0.9933006 | 0.99835606 |
| 0.61171477 | 0.01450499 | 0.6262806 | 0.056839156 | 0.62415155 | 0.9933006 | 0.99835606 |
| 0.61171477 | 0.01450499 | 0.6262806 | 0.056839156 | 0.62415155 | 0.9933006 | 0.99835606 |
| 0.61171477 | 0.01450499 | 0.6262806 | 0.056839156 | 0.62415155 | 0.9933006 | 0.99835606 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.9933006 | 0.99835605 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.9933006 | 0.99835605 |
| 0.76772217 | 0.01820424 | 0.78600276 | 0.071335012 | 0.78333074 | 0.99304574 | 0.9980999 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.99270466 | 0.99775708 |

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|------------|-------------|------------|-------------|------------|------------|------------|
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.99270466 | 0.99775708 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.99270466 | 0.99775708 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.99270466 | 0.99775708 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.99270466 | 0.99775708 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.99270466 | 0.99775708 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.99091781 | 0.99596114 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.98629064 | 0.99131042 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.97026523 | 0.97520345 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.91907771 | 0.92375541 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.90931237 | 0.91394036 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.90931237 | 0.91394036 |
| 0.97674233 | 0.023160529 | 1 | 0.090756694 | 0.99660048 | 0.90931237 | 0.91394036 |
| 0.46208134 | 0.00888594 | 0.47683907 | 0.035867722 | 0.47553235 | 0.99377818 | 1 |
| 0.46206742 | 0.008885672 | 0.4768247 | 0.035866641 | 0.47551802 | 0.99264718 | 0.99886192 |
| 0.46206742 | 0.008885672 | 0.4768247 | 0.035866641 | 0.47551802 | 0.99264718 | 0.99886192 |
| 0.46206742 | 0.008885672 | 0.4768247 | 0.035866641 | 0.47551802 | 0.99264718 | 0.99886192 |
| 0.46206742 | 0.008885672 | 0.4768247 | 0.035866641 | 0.47551802 | 0.99264718 | 0.99886192 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.99264718 | 0.99886191 |
| 0.49176088 | 0.009456685 | 0.5074665 | 0.03817151 | 0.50607585 | 0.99260664 | 0.99882112 |
| 0.66523972 | 0.012792727 | 0.68648581 | 0.0516373 | 0.68460458 | 0.99237147 | 0.99858449 |
| 0.91955599 | 0.017683292 | 0.94892431 | 0.071377862 | 0.94632389 | 0.992027 | 0.99823785 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.99195938 | 0.99816981 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.99195938 | 0.99816981 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.99195938 | 0.99816981 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.99195938 | 0.99816981 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.99195938 | 0.99816981 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.99115148 | 0.99735686 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.98792493 | 0.9941101 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.97437531 | 0.98047565 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.9219359 | 0.92770793 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.89734535 | 0.90296343 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.89734535 | 0.90296343 |
| 0.96905093 | 0.018635092 | 1 | 0.075219763 | 0.99725962 | 0.89734535 | 0.90296343 |
| 0.34966331 | 0.005471846 | 0.36353284 | 0.022702163 | 0.36273177 | 0.99344336 | 0.99999999 |
| 0.34965363 | 0.005471695 | 0.36352277 | 0.022701534 | 0.36272173 | 0.99263834 | 0.99918967 |
| 0.34965363 | 0.005471695 | 0.36352277 | 0.022701534 | 0.36272173 | 0.99263834 | 0.99918967 |
| 0.34965363 | 0.005471695 | 0.36352277 | 0.022701534 | 0.36272173 | 0.99263834 | 0.99918967 |
| 0.34965363 | 0.005471695 | 0.36352277 | 0.022701534 | 0.36272173 | 0.99263834 | 0.99918967 |
| 0.34965363 | 0.005471695 | 0.36352277 | 0.022701534 | 0.36272173 | 0.99263834 | 0.99918967 |
| 0.44018475 | 0.006888407 | 0.45764485 | 0.028579338 | 0.4566364 | 0.99253445 | 0.99908509 |
| 0.58538027 | 0.009160557 | 0.6085996 | 0.03800627 | 0.60725852 | 0.99236927 | 0.99891882 |
| 0.79885308 | 0.012501172 | 0.83053989 | 0.051866158 | 0.82870975 | 0.99212642 | 0.99867436 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.99193821 | 0.99848491 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.99193821 | 0.99848491 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.99193821 | 0.99848491 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.99193821 | 0.99848491 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.99193821 | 0.99848491 |

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|------------|-------------|---|-------------|------------|------------|------------|
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.99167978 | 0.99822477 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.98941525 | 0.9959453 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.97801085 | 0.98446563 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.92435417 | 0.93045483 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.88583603 | 0.89168246 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.88583603 | 0.89168246 |
| 0.96184793 | 0.015051862 | 1 | 0.062448726 | 0.99779644 | 0.88583603 | 0.89168246 |

| a-Fe2O3(s) | a-Fe3O4(s) | a-Fe3O4(s2) | a-FeO(s) | X-CO(g) | X-CO2(g) | X-FeO(SLAG) |
|-------------|-------------|-------------|------------|------------|-------------|-------------|
| 0.010796756 | 0.25994281 | 0.2723304 | 1 | 0 | 0 | 0.62249917 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010800164 | 0.26002484 | 0.27241634 | 1 | 0.65525727 | 0.34474273 | 0.62249786 |
| 0.010539548 | 0.25169228 | 0.26368669 | 0.99188972 | 0.6570937 | 0.3429063 | 0.6219524 |
| 0.002897164 | 0.044981812 | 0.047125423 | 0.64488059 | 0.74662229 | 0.25337771 | 0.59026097 |
| 0.000829123 | 0.008455239 | 0.008858174 | 0.42356747 | 0.81624228 | 0.18375772 | 0.000651003 |
| 0.000177753 | 0.001078464 | 0.001129858 | 0.25200265 | 0.88000968 | 0.11999032 | 0.000123877 |
| 0.000148009 | 0.000844096 | 0.000884321 | 0.23687482 | 0.88613197 | 0.11386803 | 0.000101773 |
| 0.000148009 | 0.000844096 | 0.000884321 | 0.23687482 | 0.88613197 | 0.11386803 | 0.000101773 |
| 0.000148009 | 0.000844096 | 0.000884321 | 0.23687482 | 0.88613197 | 0.11386803 | 0.000101773 |
| 0.000148009 | 0.000844096 | 0.000884321 | 0.23687482 | 0.88613197 | 0.11386803 | 0.000101773 |
| 0.000148009 | 0.000844096 | 0.000884321 | 0.23687482 | 0.88613197 | 0.11386803 | 0.000101773 |
| 0.009998102 | 0.21770188 | 0.22986494 | 1 | 0 | 0 | 0.62694875 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
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| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.010000703 | 0.21775851 | 0.22992473 | 1 | 0.67490572 | 0.32509428 | 0.62694779 |
| 0.003467068 | 0.052998932 | 0.055959996 | 0.7020372 | 0.74692256 | 0.25307744 | 0.60092065 |
| 0.000778826 | 0.007219961 | 0.007623342 | 0.42574529 | 0.82853115 | 0.17146885 | 0.55345597 |
| 0.000140698 | 0.000734098 | 0.000775112 | 0.23961957 | 0.89443344 | 0.10556656 | 0.00016107 |
| 1.7463E-05 | 4.50522E-05 | 4.75693E-05 | 0.11848178 | 0.94346979 | 0.056530214 | 1.83085E-05 |
| 1.64197E-05 | 4.14858E-05 | 4.38036E-05 | 0.11603525 | 0.94452054 | 0.055479462 | 1.7196E-05 |
| 1.64197E-05 | 4.14858E-05 | 4.38036E-05 | 0.11603525 | 0.94452054 | 0.055479462 | 1.7196E-05 |
| 1.64197E-05 | 4.14858E-05 | 4.38036E-05 | 0.11603525 | 0.94452054 | 0.055479462 | 1.7196E-05 |
| 1.64197E-05 | 4.14858E-05 | 4.38036E-05 | 0.11603525 | 0.94452054 | 0.055479462 | 1.7196E-05 |
| 0.009339095 | 0.18554197 | 0.19731305 | 1 | 0 | 0 | 0.63134818 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |

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|-------------|-------------|-------------|-------------|------------|-------------|-------------|
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.009364453 | 0.18604575 | 0.19784879 | 1 | 0.69148724 | 0.30851276 | 0.6313392 |
| 0.003735927 | 0.054607543 | 0.058071933 | 0.73572726 | 0.75254177 | 0.24745823 | 0.60831594 |
| 0.000780091 | 0.006754289 | 0.007182792 | 0.4358096 | 0.83634039 | 0.16365961 | 0.56055873 |
| 0.000119812 | 0.000553788 | 0.000588921 | 0.23265153 | 0.90459934 | 0.09540066 | 0.000220326 |
| 1.05555E-05 | 2.15462E-05 | 2.29132E-05 | 0.10274388 | 0.95452624 | 0.045473757 | 1.89762E-05 |
| 2.02751E-06 | 2.368E-06 | 2.51823E-06 | 0.058787095 | 0.97280851 | 0.027191489 | 4.18616E-06 |
| 2.02751E-06 | 2.368E-06 | 2.51823E-06 | 0.058787095 | 0.97280851 | 0.027191489 | 4.18616E-06 |
| 2.02751E-06 | 2.368E-06 | 2.51823E-06 | 0.058787095 | 0.97280851 | 0.027191489 | 4.18616E-06 |
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| 0.008802998 | 0.16085166 | 0.17218234 | 1 | 0 | 0 | 0.64665464 |
| 0.00882461 | 0.16124657 | 0.17260506 | 1 | 0.70605037 | 0.29394963 | 0.64665364 |
| 0.00882461 | 0.16124657 | 0.17260506 | 1 | 0.70605037 | 0.29394963 | 0.64665364 |
| 0.00882461 | 0.16124657 | 0.17260506 | 1 | 0.70605037 | 0.29394963 | 0.64665364 |
| 0.00882461 | 0.16124657 | 0.17260506 | 1 | 0.70605037 | 0.29394963 | 0.64665364 |
| 0.00882461 | 0.16124657 | 0.17260506 | 1 | 0.70605037 | 0.29394963 | 0.035569707 |
| 0.00882461 | 0.16124657 | 0.17260506 | 1 | 0.70605037 | 0.29394963 | 0.035569707 |
| 0.007510613 | 0.13004846 | 0.1392093 | 0.94762133 | 0.71705598 | 0.28294402 | 0.638424 |
| 0.006484554 | 0.10691055 | 0.11444152 | 0.90228866 | 0.7268617 | 0.2731383 | 0.630998 |
| 0.006484554 | 0.10691055 | 0.11444152 | 0.90228866 | 0.7268617 | 0.2731383 | 0.630998 |
| 0.006484554 | 0.10691055 | 0.11444152 | 0.90228866 | 0.7268617 | 0.2731383 | 0.630998 |
| 0.006484554 | 0.10691055 | 0.11444152 | 0.90228866 | 0.7268617 | 0.2731383 | 0.630998 |
| 0.006484554 | 0.10691055 | 0.11444152 | 0.90228866 | 0.7268617 | 0.2731383 | 0.630998 |
| 0.004117494 | 0.058336569 | 0.062445899 | 0.77537701 | 0.75579571 | 0.24420429 | 0.61608519 |
| 0.000816868 | 0.006743245 | 0.007218251 | 0.45177469 | 0.84116961 | 0.15883039 | 0.5679203 |
| 0.000109228 | 0.000460054 | 0.000492461 | 0.23050409 | 0.91158666 | 0.088413343 | 0.000316 |
| 6.58351E-06 | 1.08021E-05 | 1.1563E-05 | 0.089795834 | 0.96290869 | 0.03709131 | 2.08362E-05 |
| 2.86809E-07 | 1.63064E-07 | 1.7455E-07 | 0.031114955 | 0.98621621 | 0.013783792 | 1.84192E-06 |
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| 2.86809E-07 | 1.63064E-07 | 1.7455E-07 | 0.031114955 | 0.98621621 | 0.013783792 | 1.84192E-06 |
| 2.86809E-07 | 1.63064E-07 | 1.7455E-07 | 0.031114955 | 0.98621621 | 0.013783792 | 1.84192E-06 |
| 0.008331999 | 0.14102769 | 0.15187735 | 1 | 0 | 0 | 0.66260926 |
| 0.008345719 | 0.14125991 | 0.15212744 | 1 | 0.71918374 | 0.28081626 | 0.66260927 |
| 0.008345719 | 0.14125991 | 0.15212744 | 1 | 0.71918374 | 0.28081626 | 0.66260927 |
| 0.008345719 | 0.14125991 | 0.15212744 | 1 | 0.71918374 | 0.28081626 | 0.66260927 |
| 0.008345719 | 0.14125991 | 0.15212744 | 1 | 0.71918374 | 0.28081626 | 0.66260927 |
| 0.008345719 | 0.14125991 | 0.15212744 | 1 | 0.71918374 | 0.28081626 | 0.052885438 |
| 0.008345719 | 0.14125991 | 0.15212744 | 1 | 0.71918374 | 0.28081626 | 0.052885438 |
| 0.005908732 | 0.089129707 | 0.09598671 | 0.89119559 | 0.74180112 | 0.25819888 | 0.64373906 |
| 0.00394615 | 0.052024961 | 0.05602739 | 0.77890241 | 0.76668484 | 0.23331516 | 0.62248809 |

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| 0.00394615 | 0.052024961 | 0.05602739 | 0.77890241 | 0.76668484 | 0.23331516 | 0.62248809 |
| 0.00394615 | 0.052024961 | 0.05602739 | 0.77890241 | 0.76668484 | 0.23331516 | 0.62248809 |
| 0.00394615 | 0.052024961 | 0.05602739 | 0.77890241 | 0.76668484 | 0.23331516 | 0.62248809 |
| 0.00394615 | 0.052024961 | 0.05602739 | 0.77890241 | 0.76668484 | 0.23331516 | 0.62248809 |
| 0.00394615 | 0.052024961 | 0.05602739 | 0.77890241 | 0.76668484 | 0.23331516 | 0.62248809 |
| 0.000878443 | 0.007014623 | 0.007554278 | 0.47177573 | 0.84412762 | 0.15587238 | 0.57519331 |
| 0.00010538 | 0.000414367 | 0.000446246 | 0.23231257 | 0.91629239 | 0.083707614 | 0.000469466 |
| 4.25442E-06 | 5.70765E-06 | 6.14676E-06 | 0.079261454 | 0.96928941 | 0.030710587 | 2.448E-05 |
| 7.64329E-08 | 2.63753E-08 | 2.84045E-08 | 0.020387437 | 0.99146992 | 0.008530079 | 1.73185E-06 |
| 4.66551E-08 | 1.36085E-08 | 1.46554E-08 | 0.017232803 | 0.99270332 | 0.007296681 | 1.34528E-06 |
| 4.66551E-08 | 1.36085E-08 | 1.46554E-08 | 0.017232803 | 0.99270332 | 0.007296681 | 1.34528E-06 |
| 4.66551E-08 | 1.36085E-08 | 1.46554E-08 | 0.017232803 | 0.99270332 | 0.007296681 | 1.34528E-06 |
| 0.007904173 | 0.12471979 | 0.13506759 | 1 | 0 | 0 | 0.67970792 |
| 0.007913179 | 0.1248619 | 0.13522148 | 1 | 0.73110463 | 0.26889537 | 0.67970867 |
| 0.007913179 | 0.1248619 | 0.13522148 | 1 | 0.73110463 | 0.26889537 | 0.67970867 |
| 0.007913179 | 0.1248619 | 0.13522148 | 1 | 0.73110463 | 0.26889537 | 0.67970867 |
| 0.007913179 | 0.1248619 | 0.13522148 | 1 | 0.73110463 | 0.26889537 | 0.67970867 |
| 0.007913179 | 0.1248619 | 0.13522148 | 1 | 0.73110463 | 0.26889537 | 0.086141524 |
| 0.007276204 | 0.1116424 | 0.12090518 | 0.97240094 | 0.73656299 | 0.26343701 | 0.67443481 |
| 0.004676591 | 0.061919513 | 0.067056874 | 0.83911067 | 0.76411414 | 0.23588586 | 0.64848212 |
| 0.002717698 | 0.030024312 | 0.032515381 | 0.70015296 | 0.79511953 | 0.20488047 | 0.61869894 |
| 0.002470472 | 0.026438373 | 0.028631922 | 0.67822836 | 0.80024276 | 0.19975724 | 0.61352481 |
| 0.002470472 | 0.026438373 | 0.028631922 | 0.67822836 | 0.80024276 | 0.19975724 | 0.61352481 |
| 0.002470472 | 0.026438373 | 0.028631922 | 0.67822836 | 0.80024276 | 0.19975724 | 0.61352481 |
| 0.002470472 | 0.026438373 | 0.028631922 | 0.67822836 | 0.80024276 | 0.19975724 | 0.61352481 |
| 0.002470472 | 0.026438373 | 0.028631922 | 0.67822836 | 0.80024276 | 0.19975724 | 0.61352481 |
| 0.000957613 | 0.007470173 | 0.008089961 | 0.49438065 | 0.84594906 | 0.15405094 | 0.58230441 |
| 0.000106049 | 0.00039684 | 0.000429766 | 0.23715306 | 0.91942168 | 0.080578324 | 0.000714352 |
| 2.85463E-06 | 3.18668E-06 | 3.45108E-06 | 0.070747333 | 0.97417621 | 0.025823793 | 3.0787E-05 |
| 2.90047E-08 | 6.88474E-09 | 7.45595E-09 | 0.015043221 | 0.99407812 | 0.005921876 | 2.19364E-06 |
| 8.6642E-09 | 1.36245E-09 | 1.47549E-09 | 0.009965845 | 0.99596173 | 0.004038275 | 1.29341E-06 |
| 8.6642E-09 | 1.36245E-09 | 1.47549E-09 | 0.009965845 | 0.99596173 | 0.004038275 | 1.29341E-06 |
| 8.6642E-09 | 1.36245E-09 | 1.47549E-09 | 0.009965845 | 0.99596173 | 0.004038275 | 1.29341E-06 |
| 0.007510727 | 0.11110633 | 0.12094975 | 1 | 0 | 0 | 0.69879064 |
| 0.007516818 | 0.11119644 | 0.12104784 | 1 | 0.7419835 | 0.2580165 | 0.69879205 |
| 0.007516818 | 0.11119644 | 0.12104784 | 1 | 0.7419835 | 0.2580165 | 0.69879205 |
| 0.007516818 | 0.11119644 | 0.12104784 | 1 | 0.7419835 | 0.2580165 | 0.69879205 |
| 0.007516818 | 0.11119644 | 0.12104784 | 1 | 0.7419835 | 0.2580165 | 0.69879205 |
| 0.007516818 | 0.11119644 | 0.12104784 | 1 | 0.7419835 | 0.2580165 | 0.69879205 |
| 0.005608775 | 0.07525252 | 0.081919485 | 0.9069768 | 0.7602111 | 0.2397889 | 0.67823141 |
| 0.003722173 | 0.043558029 | 0.047417034 | 0.79106997 | 0.78421509 | 0.21578491 | 0.65270821 |
| 0.002231214 | 0.022013665 | 0.023963957 | 0.66695166 | 0.81165887 | 0.18834113 | 0.62331292 |
| 0.001584996 | 0.013952357 | 0.01518846 | 0.59506248 | 0.82845072 | 0.17154928 | 0.60408155 |
| 0.001584996 | 0.013952357 | 0.01518846 | 0.59506248 | 0.82845072 | 0.17154928 | 0.60408155 |
| 0.001584996 | 0.013952357 | 0.01518846 | 0.59506248 | 0.82845072 | 0.17154928 | 0.60408155 |
| 0.001584996 | 0.013952357 | 0.01518846 | 0.59506248 | 0.82845072 | 0.17154928 | 0.60408155 |
| 0.001584996 | 0.013952357 | 0.01518846 | 0.59506248 | 0.82845072 | 0.17154928 | 0.60408155 |

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|-------------|-------------|-------------|-------------|------------|-------------|-------------|
| 0.001049488 | 0.00805148 | 0.008764798 | 0.51861051 | 0.84708767 | 0.15291233 | 0.58924543 |
| 0.000109816 | 0.000396702 | 0.000431847 | 0.2441969 | 0.92149475 | 0.078505249 | 0.001101111 |
| 1.99011E-06 | 1.88105E-06 | 2.0477E-06 | 0.063894777 | 0.97794632 | 0.022053676 | 4.10152E-05 |
| 1.13355E-08 | 1.8778E-09 | 2.04417E-09 | 0.011198288 | 0.99583567 | 0.004164331 | 2.89814E-06 |
| 1.81691E-09 | 1.61193E-10 | 1.75474E-10 | 0.005997279 | 0.99766852 | 0.002331479 | 1.40301E-06 |
| 1.81691E-09 | 1.61193E-10 | 1.75474E-10 | 0.005997279 | 0.99766852 | 0.002331479 | 1.40301E-06 |
| 1.81691E-09 | 1.61193E-10 | 1.75474E-10 | 0.005997279 | 0.99766852 | 0.002331479 | 1.40301E-06 |

| X-SiO2(SLAG) | X-Fe:C(FCC) | X-Si:C(FCC) | X-Fe:Va(FCC) | X-Si:Va(FCC) | X-Fe:C(BCC) | X-Si:C(BCC) |
|--------------|-------------|-------------|--------------|--------------|-------------|-------------|
| 0.36478175 | 0 | 0 | 1 | 1.80328E-11 | 0 | 0 |
| 0.3647808 | 0.009535579 | 1.59407E-13 | 0.99046442 | 1.65577E-11 | 0.000105104 | 2.54234E-15 |
| 0.3647808 | 0.009535579 | 1.59407E-13 | 0.99046442 | 1.65577E-11 | 0.000105104 | 2.54234E-15 |
| 0.3647808 | 0.009535579 | 1.59407E-13 | 0.99046442 | 1.65577E-11 | 0.000105104 | 2.54234E-15 |
| 0.3647808 | 0.009535579 | 1.59407E-13 | 0.99046442 | 1.65577E-11 | 0.000105104 | 2.54234E-15 |
| 0.3647808 | 0.009535579 | 1.59407E-13 | 0.99046442 | 1.65577E-11 | 0.000105104 | 2.54234E-15 |
| 0.3647808 | 0.009535579 | 1.59407E-13 | 0.99046442 | 1.65577E-11 | 0.000105104 | 2.54234E-15 |
| 0.3647808 | 0.009535579 | 1.59407E-13 | 0.99046442 | 1.65577E-11 | 0.000105104 | 2.54234E-15 |
| 0.3647808 | 0.009535579 | 1.59407E-13 | 0.99046442 | 1.65577E-11 | 0.000105104 | 2.54234E-15 |
| 0.3647808 | 0.009535579 | 1.59407E-13 | 0.99046442 | 1.65577E-11 | 0.000105104 | 2.54234E-15 |
| 0.3647808 | 0.009535579 | 1.59407E-13 | 0.99046442 | 1.65577E-11 | 0.000105104 | 2.54234E-15 |
| 0.36542277 | 0.009632275 | 1.63543E-13 | 0.99036773 | 1.68151E-11 | 0.000106258 | 2.61233E-15 |
| 0.40112627 | 0.015924905 | 6.08683E-13 | 0.98407509 | 3.76134E-11 | 0.000185421 | 1.07478E-14 |
| 0.99934634 | 0.024366972 | 2.00144E-12 | 0.97563303 | 8.01361E-11 | 0.000304983 | 4.03801E-14 |
| 0.99987582 | 0.038350599 | 7.84881E-12 | 0.9616494 | 1.96811E-10 | 0.000540815 | 1.96857E-13 |
| 0.99989799 | 0.040284444 | 9.17046E-12 | 0.95971556 | 2.18472E-10 | 0.000577506 | 2.36955E-13 |
| 0.99989799 | 0.040284444 | 9.17046E-12 | 0.95971556 | 2.18472E-10 | 0.000577506 | 2.36955E-13 |
| 0.99989799 | 0.040284444 | 9.17046E-12 | 0.95971556 | 2.18472E-10 | 0.000577506 | 2.36955E-13 |
| 0.99989799 | 0.040284444 | 9.17046E-12 | 0.95971556 | 2.18472E-10 | 0.000577506 | 2.36955E-13 |
| 0.99989799 | 0.040284444 | 9.17046E-12 | 0.95971556 | 2.18472E-10 | 0.000577506 | 2.36955E-13 |
| 0.36111265 | 0 | 0 | 1 | 6.15183E-11 | 0 | 0 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111187 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.36111186 | 0.005885302 | 3.45368E-13 | 0.9941147 | 5.83378E-11 | 8.66583E-05 | 7.1574E-15 |
| 0.39050255 | 0.009018121 | 1.04534E-12 | 0.99098188 | 1.1487E-10 | 0.000136233 | 2.27425E-14 |
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| 0.99983852 | 0.026701846 | 2.26537E-11 | 0.97329815 | 8.25742E-10 | 0.000465832 | 6.45938E-13 |
| 0.99998166 | 0.046802019 | 1.35442E-10 | 0.95319798 | 2.7585E-09 | 0.000960173 | 5.20554E-12 |
| 0.99998277 | 0.047509139 | 1.42434E-10 | 0.95249086 | 2.85559E-09 | 0.00098022 | 5.531E-12 |
| 0.99998277 | 0.047509139 | 1.42434E-10 | 0.95249086 | 2.85559E-09 | 0.00098022 | 5.531E-12 |
| 0.99998277 | 0.047509139 | 1.42434E-10 | 0.95249086 | 2.85559E-09 | 0.00098022 | 5.531E-12 |
| 0.99998277 | 0.047509139 | 1.42434E-10 | 0.95249086 | 2.85559E-09 | 0.00098022 | 5.531E-12 |
| 0.35727172 | 0 | 0 | 1 | 1.87727E-10 | 0 | 0 |
| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |
| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |
| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |

| | | | | | | |
|------------|-------------|-------------|------------|-------------|-------------|-------------|
| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |
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| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |
| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |
| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |
| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |
| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |
| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |
| 0.35726352 | 0.003723849 | 6.76652E-13 | 0.99627615 | 1.81031E-10 | 7.23065E-05 | 1.80019E-14 |
| 0.38325039 | 0.005423351 | 1.79281E-12 | 0.99457665 | 3.2878E-10 | 0.000106708 | 4.89327E-14 |
| 0.43416147 | 0.009776598 | 8.85517E-12 | 0.9902234 | 8.96896E-10 | 0.000198982 | 2.57984E-13 |
| 0.99977909 | 0.018307478 | 5.38628E-11 | 0.98169252 | 2.88826E-09 | 0.000398058 | 1.78092E-12 |
| 0.99998099 | 0.036792303 | 4.69407E-10 | 0.96320768 | 1.22889E-08 | 0.000921947 | 2.02876E-11 |
| 0.99999581 | 0.055061086 | 1.81765E-09 | 0.94493888 | 3.11939E-08 | 0.001584318 | 1.01389E-10 |
| 0.99999581 | 0.055061086 | 1.81765E-09 | 0.94493888 | 3.11939E-08 | 0.001584318 | 1.01389E-10 |
| 0.99999581 | 0.055061086 | 1.81765E-09 | 0.94493888 | 3.11939E-08 | 0.001584318 | 1.01389E-10 |
| 0.99999581 | 0.055061086 | 1.81765E-09 | 0.94493888 | 3.11939E-08 | 0.001584318 | 1.01389E-10 |
| 0.34722402 | 0 | 0 | 1 | 4.30094E-10 | 0 | 0 |
| 0.34721644 | 0.002429001 | 1.02188E-12 | 0.997571 | 4.19677E-10 | 6.12051E-05 | 3.43802E-14 |
| 0.34721644 | 0.002429001 | 1.02188E-12 | 0.997571 | 4.19677E-10 | 6.12051E-05 | 3.43802E-14 |
| 0.34721644 | 0.002429001 | 1.02188E-12 | 0.997571 | 4.19677E-10 | 6.12051E-05 | 3.43802E-14 |
| 0.34721644 | 0.002429001 | 1.02188E-12 | 0.997571 | 4.19677E-10 | 6.12051E-05 | 3.43802E-14 |
| 0.96375417 | 0.002429001 | 1.23509E-12 | 0.997571 | 5.07243E-10 | 6.12051E-05 | 4.15536E-14 |
| 0.96375417 | 0.002429001 | 1.23509E-12 | 0.997571 | 5.07243E-10 | 6.12051E-05 | 4.15536E-14 |
| 0.35609681 | 0.0025993 | 1.34504E-12 | 0.9974007 | 5.16116E-10 | 6.55789E-05 | 4.5365E-14 |
| 0.36403512 | 0.002763217 | 1.72059E-12 | 0.99723678 | 6.20958E-10 | 6.97991E-05 | 5.81704E-14 |
| 0.36403512 | 0.002763217 | 1.72059E-12 | 0.99723678 | 6.20958E-10 | 6.97991E-05 | 5.81704E-14 |
| 0.36403512 | 0.002763217 | 1.72059E-12 | 0.99723678 | 6.20958E-10 | 6.97991E-05 | 5.81704E-14 |
| 0.36403512 | 0.002763217 | 1.72059E-12 | 0.99723678 | 6.20958E-10 | 6.97991E-05 | 5.81704E-14 |
| 0.36403512 | 0.002763217 | 1.72059E-12 | 0.99723678 | 6.20958E-10 | 6.97991E-05 | 5.81704E-14 |
| 0.37544453 | 0.003326864 | 2.79088E-12 | 0.99667314 | 8.36102E-10 | 8.43881E-05 | 9.51323E-14 |
| 0.4270046 | 0.006195368 | 1.49158E-11 | 0.99380463 | 2.39265E-09 | 0.000160518 | 5.30042E-13 |
| 0.99968316 | 0.012446847 | 1.08758E-10 | 0.98755314 | 8.62906E-09 | 0.00033769 | 4.2287E-12 |
| 0.99997914 | 0.029061141 | 1.43858E-09 | 0.97093881 | 4.80631E-08 | 0.000890108 | 7.06738E-11 |
| 0.99999816 | 0.062873839 | 1.90415E-08 | 0.93712586 | 2.83811E-07 | 0.002449739 | 1.46571E-09 |
| 0.99999816 | 0.062873839 | 1.90415E-08 | 0.93712586 | 2.83811E-07 | 0.002449739 | 1.46571E-09 |
| 0.99999816 | 0.062873839 | 1.90415E-08 | 0.93712586 | 2.83811E-07 | 0.002449739 | 1.46571E-09 |
| 0.99999816 | 0.062873839 | 1.90415E-08 | 0.93712586 | 2.83811E-07 | 0.002449739 | 1.46571E-09 |
| 0.33036096 | 0 | 0 | 1 | 8.32645E-10 | 0 | 0 |
| 0.33035422 | 0.001635204 | 1.34136E-12 | 0.9983648 | 8.18963E-10 | 5.25782E-05 | 5.61619E-14 |
| 0.33035422 | 0.001635204 | 1.34136E-12 | 0.9983648 | 8.18963E-10 | 5.25782E-05 | 5.61619E-14 |
| 0.33035422 | 0.001635204 | 1.34136E-12 | 0.9983648 | 8.18963E-10 | 5.25782E-05 | 5.61619E-14 |
| 0.33035422 | 0.001635204 | 1.34136E-12 | 0.9983648 | 8.18963E-10 | 5.25782E-05 | 5.61619E-14 |
| 0.94602051 | 0.001635204 | 2.14179E-12 | 0.99836479 | 1.30766E-09 | 5.25782E-05 | 8.96753E-14 |
| 0.94602051 | 0.001635204 | 2.14179E-12 | 0.99836479 | 1.30766E-09 | 5.25782E-05 | 8.96753E-14 |
| 0.35084146 | 0.001888445 | 2.44223E-12 | 0.99811155 | 1.29081E-09 | 6.0829E-05 | 1.02618E-13 |
| 0.37339775 | 0.002226717 | 4.7815E-12 | 0.99777328 | 2.14255E-09 | 7.18957E-05 | 2.01866E-13 |

| | | | | | | |
|------------|-------------|-------------|------------|-------------|-------------|-------------|
| 0.37339775 | 0.002226717 | 4.7815E-12 | 0.99777328 | 2.14255E-09 | 7.18957E-05 | 2.01866E-13 |
| 0.37339775 | 0.002226717 | 4.7815E-12 | 0.99777328 | 2.14255E-09 | 7.18957E-05 | 2.01866E-13 |
| 0.37339775 | 0.002226717 | 4.7815E-12 | 0.99777328 | 2.14255E-09 | 7.18957E-05 | 2.01866E-13 |
| 0.37339775 | 0.002226717 | 4.7815E-12 | 0.99777328 | 2.14255E-09 | 7.18957E-05 | 2.01866E-13 |
| 0.37339775 | 0.002226717 | 4.7815E-12 | 0.99777328 | 2.14255E-09 | 7.18957E-05 | 2.01866E-13 |
| 0.41983528 | 0.003987004 | 2.29654E-11 | 0.99601299 | 5.73711E-09 | 0.000130331 | 9.93743E-13 |
| 0.99952928 | 0.008457298 | 1.9288E-10 | 0.99154268 | 2.26135E-08 | 0.00028524 | 8.88156E-12 |
| 0.9999755 | 0.023091698 | 3.95854E-09 | 0.97690813 | 1.67468E-07 | 0.000861905 | 2.22487E-10 |
| 0.99999827 | 0.063831686 | 1.139E-07 | 0.93616653 | 1.67048E-06 | 0.003129264 | 1.07258E-08 |
| 0.99999865 | 0.070888913 | 1.65933E-07 | 0.92910875 | 2.17481E-06 | 0.003637153 | 1.69752E-08 |
| 0.99999865 | 0.070888913 | 1.65933E-07 | 0.92910875 | 2.17481E-06 | 0.003637153 | 1.69752E-08 |
| 0.99999865 | 0.070888913 | 1.65933E-07 | 0.92910875 | 2.17481E-06 | 0.003637153 | 1.69752E-08 |
| 0.31203809 | 0 | 0 | 1 | 1.51265E-09 | 0 | 0 |
| 0.31203175 | 0.001134033 | 1.69765E-12 | 0.99886597 | 1.49531E-09 | 4.57748E-05 | 8.70728E-14 |
| 0.31203175 | 0.001134033 | 1.69765E-12 | 0.99886597 | 1.49531E-09 | 4.57748E-05 | 8.70728E-14 |
| 0.31203175 | 0.001134033 | 1.69765E-12 | 0.99886597 | 1.49531E-09 | 4.57748E-05 | 8.70728E-14 |
| 0.31203175 | 0.001134033 | 1.69765E-12 | 0.99886597 | 1.49531E-09 | 4.57748E-05 | 8.70728E-14 |
| 0.91193218 | 0.001134033 | 3.56033E-12 | 0.99886596 | 3.13597E-09 | 4.57748E-05 | 1.8261E-13 |
| 0.31789757 | 0.001174531 | 1.97827E-12 | 0.99882547 | 1.68233E-09 | 4.74222E-05 | 1.01521E-13 |
| 0.34615909 | 0.00140926 | 4.30285E-12 | 0.99859074 | 3.04897E-09 | 5.69883E-05 | 2.21513E-13 |
| 0.37764585 | 0.001752476 | 1.05903E-11 | 0.99824752 | 6.03244E-09 | 7.10291E-05 | 5.47718E-13 |
| 0.38304028 | 0.001819765 | 1.23426E-11 | 0.99818023 | 6.77016E-09 | 7.37894E-05 | 6.38923E-13 |
| 0.38304028 | 0.001819765 | 1.23426E-11 | 0.99818023 | 6.77016E-09 | 7.37894E-05 | 6.38923E-13 |
| 0.38304028 | 0.001819765 | 1.23426E-11 | 0.99818023 | 6.77016E-09 | 7.37894E-05 | 6.38923E-13 |
| 0.38304028 | 0.001819765 | 1.23426E-11 | 0.99818023 | 6.77016E-09 | 7.37894E-05 | 6.38923E-13 |
| 0.38304028 | 0.001819765 | 1.23426E-11 | 0.99818023 | 6.77016E-09 | 7.37894E-05 | 6.38923E-13 |
| 0.41275436 | 0.00262153 | 3.32192E-11 | 0.99737846 | 1.26385E-08 | 0.000106867 | 1.73826E-12 |
| 0.99928376 | 0.005784988 | 3.09483E-10 | 0.99421496 | 5.31882E-08 | 0.000240816 | 1.68944E-11 |
| 0.9999692 | 0.018469139 | 9.8853E-09 | 0.98153033 | 5.25348E-07 | 0.000835475 | 6.37328E-10 |
| 0.99999781 | 0.061247668 | 4.89446E-07 | 0.93874434 | 7.50175E-06 | 0.003625094 | 5.29375E-08 |
| 0.99999871 | 0.07905215 | 1.22138E-06 | 0.9209324 | 1.42287E-05 | 0.005200384 | 1.60175E-07 |
| 0.99999871 | 0.07905215 | 1.22138E-06 | 0.9209324 | 1.42287E-05 | 0.005200384 | 1.60175E-07 |
| 0.99999871 | 0.07905215 | 1.22138E-06 | 0.9209324 | 1.42287E-05 | 0.005200384 | 1.60175E-07 |
| 0.29126219 | 0 | 0 | 1 | 2.58697E-09 | 0 | 0 |
| 0.29125583 | 0.000808343 | 2.07566E-12 | 0.99919165 | 2.56571E-09 | 4.03355E-05 | 1.28498E-13 |
| 0.29125583 | 0.000808343 | 2.07566E-12 | 0.99919165 | 2.56571E-09 | 4.03355E-05 | 1.28498E-13 |
| 0.29125583 | 0.000808343 | 2.07566E-12 | 0.99919165 | 2.56571E-09 | 4.03355E-05 | 1.28498E-13 |
| 0.29125583 | 0.000808343 | 2.07566E-12 | 0.99919165 | 2.56571E-09 | 4.03355E-05 | 1.28498E-13 |
| 0.29125583 | 0.000808343 | 2.07566E-12 | 0.99919165 | 2.56571E-09 | 4.03355E-05 | 1.28498E-13 |
| 0.31427421 | 0.000912378 | 3.58199E-12 | 0.99908762 | 3.92241E-09 | 4.55564E-05 | 2.22049E-13 |
| 0.34199819 | 0.001077648 | 7.38471E-12 | 0.99892235 | 6.84524E-09 | 5.38642E-05 | 4.58756E-13 |
| 0.37306304 | 0.001320334 | 1.73318E-11 | 0.99867965 | 1.31095E-08 | 6.60947E-05 | 1.08006E-12 |
| 0.39303394 | 0.001508166 | 2.98926E-11 | 0.99849181 | 1.97906E-08 | 7.55862E-05 | 1.86731E-12 |
| 0.39303394 | 0.001508166 | 2.98926E-11 | 0.99849181 | 1.97906E-08 | 7.55862E-05 | 1.86731E-12 |
| 0.39303394 | 0.001508166 | 2.98926E-11 | 0.99849181 | 1.97906E-08 | 7.55862E-05 | 1.86731E-12 |
| 0.39303394 | 0.001508166 | 2.98926E-11 | 0.99849181 | 1.97906E-08 | 7.55862E-05 | 1.86731E-12 |
| 0.39303394 | 0.001508166 | 2.98926E-11 | 0.99849181 | 1.97906E-08 | 7.55862E-05 | 1.86731E-12 |

| | | | | | | |
|------------|-------------|-------------|------------|-------------|-------------|-------------|
| 0.40578741 | 0.001765742 | 4.59683E-11 | 0.99823423 | 2.59874E-08 | 8.8638E-05 | 2.88104E-12 |
| 0.99889604 | 0.004006036 | 4.60809E-10 | 0.99599385 | 1.14568E-07 | 0.000203929 | 2.97218E-11 |
| 0.99995897 | 0.014871275 | 2.26138E-08 | 0.9851272 | 1.49802E-06 | 0.000809584 | 1.67211E-09 |
| 0.9999971 | 0.059455316 | 1.95119E-06 | 0.94051187 | 3.08655E-05 | 0.004204675 | 2.40662E-07 |
| 0.9999986 | 0.087295786 | 7.71255E-06 | 0.91261587 | 8.06292E-05 | 0.007173518 | 1.2518E-06 |
| 0.9999986 | 0.087295786 | 7.71255E-06 | 0.91261587 | 8.06292E-05 | 0.007173518 | 1.2518E-06 |
| 0.9999986 | 0.087295786 | 7.71255E-06 | 0.91261587 | 8.06292E-05 | 0.007173518 | 1.2518E-06 |

| | | | | | | | |
|------------|-------------|---|---|---|---|---|---|
| 0.99992769 | 2.48949E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99992769 | 2.48949E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99992769 | 2.48949E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99992769 | 2.48949E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99992769 | 2.48949E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99992769 | 2.48949E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99992769 | 2.48949E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99992769 | 2.48949E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99992769 | 2.48949E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99992769 | 2.48949E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99989329 | 4.58516E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99980102 | 1.29626E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99960194 | 4.47224E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99907803 | 2.19848E-08 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99841562 | 6.38941E-08 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99841562 | 6.38941E-08 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99841562 | 6.38941E-08 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99841562 | 6.38941E-08 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 5.64323E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99993879 | 5.61686E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99993879 | 5.61686E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99993879 | 5.61686E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99993879 | 5.61686E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99993879 | 6.78883E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99993879 | 6.78883E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99993442 | 6.91716E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.9999302 | 8.3334E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.9999302 | 8.3334E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.9999302 | 8.3334E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.9999302 | 8.3334E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.9999302 | 8.3334E-10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99991561 | 1.12722E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99983948 | 3.30155E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.9996623 | 1.25182E-08 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99910981 | 7.93285E-08 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99754966 | 5.96845E-07 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99754966 | 5.96845E-07 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99754966 | 5.96845E-07 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99754966 | 5.96845E-07 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1.07183E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99994742 | 1.0681E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99994742 | 1.0681E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99994742 | 1.0681E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99994742 | 1.0681E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99994742 | 1.70547E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99994742 | 1.70547E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99993917 | 1.68689E-09 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.9999281 | 2.80756E-09 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | |
|------------|-------------|---|---|---|---|---|---|
| 0.99991133 | 3.25005E-08 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99979593 | 1.45716E-07 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99918835 | 2.06372E-06 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99573809 | 5.69928E-05 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99265201 | 0.000173221 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99265201 | 0.000173221 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.99265201 | 0.000173221 | 0 | 0 | 0 | 0 | 0 | 0 |

| X-Fe3O4(s2) | X-FeO(s) | Mol-GAS | Mol-T-SLAG | Mol-tel-FCC | Mol-tel-BCC | Mol-tel-BCC2 | g-GAS |
|-------------|----------|-----------|------------|-------------|-------------|--------------|-----------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 49978.808 | 0 | 0 | 67208.639 | 0 | 1675593.4 |
| 0 | 0 | 99957.616 | 0 | 0 | 134417.28 | 0 | 3351186.8 |
| 0 | 0 | 149936.42 | 0 | 0 | 201625.92 | 0 | 5026780.2 |
| 0 | 0 | 199915.23 | 0 | 0 | 268834.56 | 0 | 6702373.6 |
| 0 | 0 | 249894.04 | 0 | 0 | 336043.19 | 0 | 8377966.9 |
| 0 | 0 | 299872.85 | 0 | 0 | 403251.83 | 0 | 10053560 |
| 0 | 0 | 349851.66 | 0 | 0 | 470460.47 | 0 | 11729154 |
| 0 | 0 | 399830.47 | 0 | 0 | 537669.11 | 0 | 13404747 |
| 0 | 0 | 449809.27 | 0 | 0 | 604877.75 | 0 | 15080340 |
| 0 | 0 | 499788.08 | 0 | 0 | 672086.39 | 0 | 16755934 |
| 0 | 0 | 549766.89 | 0 | 0 | 739295.03 | 0 | 18431527 |
| 0 | 0 | 599743.26 | 0 | 0 | 805399 | 0 | 20089417 |
| 0 | 0 | 642582.83 | 0 | 453465.83 | 351933.17 | 0 | 20603964 |
| 0 | 0 | 680374.86 | 0 | 805399 | 0 | 0 | 21057884 |
| 0 | 0 | 719112.47 | 0 | 805399 | 0 | 0 | 21523161 |
| 0 | 0 | 723065.01 | 0 | 805399 | 0 | 0 | 21570635 |
| 0 | 0 | 723065.01 | 0 | 805399 | 0 | 0 | 21570635 |
| 0 | 0 | 723065.01 | 0 | 805399 | 0 | 0 | 21570635 |
| 0 | 0 | 723065.01 | 0 | 805399 | 0 | 0 | 21570635 |
| 0 | 0 | 723065.01 | 0 | 805399 | 0 | 0 | 21570635 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 49982.781 | 0 | 0 | 66231.898 | 0 | 1660013.8 |
| 0 | 0 | 99965.563 | 0 | 0 | 132463.8 | 0 | 3320027.7 |
| 0 | 0 | 149948.34 | 0 | 0 | 198695.69 | 0 | 4980041.5 |
| 0 | 0 | 199931.13 | 0 | 0 | 264927.59 | 0 | 6640055.4 |
| 0 | 0 | 249913.91 | 0 | 0 | 331159.49 | 0 | 8300069.2 |
| 0 | 0 | 299896.69 | 0 | 0 | 397391.39 | 0 | 9960083 |
| 0 | 0 | 349879.47 | 0 | 0 | 463623.28 | 0 | 11620097 |
| 0 | 0 | 399862.25 | 0 | 0 | 529855.18 | 0 | 13280111 |
| 0 | 0 | 449845.03 | 0 | 0 | 596087.08 | 0 | 14940125 |
| 0 | 0 | 499827.81 | 0 | 0 | 662318.98 | 0 | 16600138 |
| 0 | 0 | 549810.6 | 0 | 0 | 728550.88 | 0 | 18260152 |
| 0 | 0 | 599793.38 | 0 | 0 | 794782.77 | 0 | 19920166 |
| 0 | 0 | 642736.81 | 0 | 805399 | 0 | 0 | 20605813 |
| 0 | 0 | 687512.09 | 0 | 805399 | 0 | 0 | 21143609 |
| 0 | 0 | 728494.36 | 0 | 805399 | 0 | 0 | 21635847 |
| 0 | 0 | 762305.7 | 0 | 805399 | 0 | 0 | 22041955 |
| 0 | 0 | 763064.59 | 0 | 805399 | 0 | 0 | 22051070 |
| 0 | 0 | 763064.59 | 0 | 805399 | 0 | 0 | 22051070 |
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| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 49757.546 | 0 | 65108.384 | 0 | 0 | 1639333 |
| 0 | 0 | 99515.092 | 0 | 130216.77 | 0 | 0 | 3278666 |
| 0 | 0 | 149272.64 | 0 | 195325.15 | 0 | 0 | 4917999 |

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|---|---|-----------|-----------|-----------|---|---|-----------|
| 0 | 0 | 199030.18 | 0 | 260433.54 | 0 | 0 | 6557332 |
| 0 | 0 | 248787.73 | 0 | 325541.92 | 0 | 0 | 8196665 |
| 0 | 0 | 298545.28 | 0 | 390650.31 | 0 | 0 | 9835998 |
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| 0 | 0 | 597090.55 | 0 | 781300.61 | 0 | 0 | 19671996 |
| 0 | 0 | 645632.04 | 0 | 805399 | 0 | 0 | 20640588 |
| 0 | 0 | 692125.94 | 0 | 805399 | 0 | 0 | 21199026 |
| 0 | 0 | 735255.18 | 0 | 805399 | 0 | 0 | 21717051 |
| 0 | 0 | 770367.52 | 0 | 805399.01 | 0 | 0 | 22138786 |
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| 0 | 0 | 784078.78 | 0 | 805399.03 | 0 | 0 | 22303472 |
| 0 | 0 | 784078.78 | 0 | 805399.03 | 0 | 0 | 22303472 |
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| 0 | 0 | 0 | 560447.98 | 3430.6903 | 0 | 0 | 0 |
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| 0 | 0 | 99678.365 | 560460.22 | 132414.36 | 0 | 0 | 3260820.1 |
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| 0 | 0 | 199365.05 | 560460.22 | 261403.91 | 0 | 0 | 6521912.2 |
| 0 | 0 | 249216.71 | 0 | 322473.87 | 0 | 0 | 8152730.5 |
| 0 | 0 | 299060.05 | 0 | 386968.64 | 0 | 0 | 9783276.6 |
| 0 | 0 | 348828.96 | 546483.41 | 450522.31 | 0 | 0 | 11349965 |
| 0 | 0 | 398591.44 | 461275.12 | 509753.13 | 0 | 0 | 12906570 |
| 0 | 0 | 448417.5 | 363062.39 | 572700.78 | 0 | 0 | 14519960 |
| 0 | 0 | 498243.57 | 264849.66 | 635648.44 | 0 | 0 | 16133351 |
| 0 | 0 | 548069.63 | 166636.93 | 698596.1 | 0 | 0 | 17746741 |
| 0 | 0 | 597895.69 | 68424.202 | 761543.76 | 0 | 0 | 19360131 |
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| 0 | 0 | 776594.18 | 0 | 805399.04 | 0 | 0 | 22213575 |
| 0 | 0 | 794448.97 | 0 | 805399.24 | 0 | 0 | 22428036 |
| 0 | 0 | 794448.97 | 0 | 805399.24 | 0 | 0 | 22428036 |
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| 0 | 0 | 794448.97 | 0 | 805399.24 | 0 | 0 | 22428036 |
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| 0 | 0 | 199575.23 | 589067.7 | 259764.18 | 0 | 0 | 6486852.1 |
| 0 | 0 | 249477.5 | 0 | 319534.83 | 0 | 0 | 8108839.9 |
| 0 | 0 | 299372.99 | 0 | 383441.8 | 0 | 0 | 9730607.9 |
| 0 | 0 | 349164.69 | 554669.33 | 442324.65 | 0 | 0 | 11222652 |
| 0 | 0 | 398900 | 493721.64 | 494000.66 | 0 | 0 | 12662404 |

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|---|---|-----------|-----------|-----------|---|---|-----------|
| 0 | 0 | 448763.95 | 396848.6 | 555100.08 | 0 | 0 | 14245250 |
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| 0 | 0 | 696788.87 | 0 | 805399 | 0 | 0 | 21255032 |
| 0 | 0 | 743188.5 | 0 | 805399.02 | 0 | 0 | 21812339 |
| 0 | 0 | 781401.96 | 0 | 805399.14 | 0 | 0 | 22271325 |
| 0 | 0 | 798589.84 | 0 | 805400.44 | 0 | 0 | 22477810 |
| 0 | 0 | 799568.57 | 0 | 805400.89 | 0 | 0 | 22489580 |
| 0 | 0 | 799568.57 | 0 | 805400.89 | 0 | 0 | 22489580 |
| 0 | 0 | 799568.57 | 0 | 805400.89 | 0 | 0 | 22489580 |
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| 0 | 0 | 49922.322 | 623657.69 | 68497.353 | 0 | 0 | 1613118.3 |
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| 0 | 0 | 199706.79 | 623657.69 | 258558.17 | 0 | 0 | 6453038.6 |
| 0 | 0 | 249640.77 | 0 | 316768.02 | 0 | 0 | 8066533.8 |
| 0 | 0 | 299549.97 | 612150.01 | 383156.26 | 0 | 0 | 9653068.1 |
| 0 | 0 | 349387.23 | 562172.14 | 434815.3 | 0 | 0 | 11105075 |
| 0 | 0 | 399153.88 | 515300.23 | 482816.24 | 0 | 0 | 12488872 |
| 0 | 0 | 449017 | 427500.77 | 540179.82 | 0 | 0 | 14012203 |
| 0 | 0 | 498908.67 | 331548.45 | 599708.12 | 0 | 0 | 15569142 |
| 0 | 0 | 548800.34 | 235596.13 | 659236.43 | 0 | 0 | 17126081 |
| 0 | 0 | 598692.02 | 139643.8 | 718764.74 | 0 | 0 | 18683020 |
| 0 | 0 | 648583.69 | 43691.48 | 778293.05 | 0 | 0 | 20239960 |
| 0 | 0 | 697888.62 | 0 | 805399.01 | 0 | 0 | 21268242 |
| 0 | 0 | 745340.78 | 0 | 805399.04 | 0 | 0 | 21838191 |
| 0 | 0 | 785124.96 | 0 | 805399.43 | 0 | 0 | 22316051 |
| 0 | 0 | 800670.4 | 0 | 805405.44 | 0 | 0 | 22502960 |
| 0 | 0 | 802184.45 | 0 | 805411.44 | 0 | 0 | 22521337 |
| 0 | 0 | 802184.45 | 0 | 805411.44 | 0 | 0 | 22521337 |
| 0 | 0 | 802184.45 | 0 | 805411.44 | 0 | 0 | 22521337 |
| 0 | 0 | 0 | 668129.97 | 6646.004 | 0 | 0 | 0 |
| 0 | 0 | 49943.837 | 668144.56 | 69479.623 | 0 | 0 | 1605120.5 |
| 0 | 0 | 99893.043 | 668144.55 | 132316.55 | 0 | 0 | 3210413.5 |
| 0 | 0 | 149842.25 | 668144.55 | 195153.47 | 0 | 0 | 4815706.6 |
| 0 | 0 | 199791.46 | 668144.55 | 257990.4 | 0 | 0 | 6420999.6 |
| 0 | 0 | 249740.66 | 668144.55 | 320827.32 | 0 | 0 | 8026292.7 |
| 0 | 0 | 299656.81 | 619207.66 | 376151.76 | 0 | 0 | 9543134.1 |
| 0 | 0 | 349538.79 | 569011.77 | 427976.11 | 0 | 0 | 10997479 |
| 0 | 0 | 399370.89 | 521630.33 | 476479.26 | 0 | 0 | 12389981 |
| 0 | 0 | 449204.32 | 455554.17 | 527579.04 | 0 | 0 | 13815318 |
| 0 | 0 | 499116.55 | 360122.01 | 585778.4 | 0 | 0 | 15350372 |
| 0 | 0 | 549028.77 | 264689.86 | 643977.75 | 0 | 0 | 16885427 |
| 0 | 0 | 598941 | 169257.7 | 702177.11 | 0 | 0 | 18420482 |
| 0 | 0 | 648853.23 | 73825.542 | 760376.47 | 0 | 0 | 19955537 |

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|---|---|-----------|---|-----------|---|---|----------|
| 0 | 0 | 698577.87 | 0 | 805399.02 | 0 | 0 | 21276521 |
| 0 | 0 | 746773.54 | 0 | 805399.09 | 0 | 0 | 21855401 |
| 0 | 0 | 788022.65 | 0 | 805400.22 | 0 | 0 | 22350881 |
| 0 | 0 | 802111.6 | 0 | 805425.43 | 0 | 0 | 22520910 |
| 0 | 0 | 803667.58 | 0 | 805470.16 | 0 | 0 | 22541030 |
| 0 | 0 | 803667.58 | 0 | 805470.16 | 0 | 0 | 22541030 |
| 0 | 0 | 803667.58 | 0 | 805470.16 | 0 | 0 | 22541030 |

| g-T-SLAG | g-tel-FCC | g-tel-BCC | g-tel-BCC2 | a-GAS | a-T-SLAG | a-tel-FCC | a-tel-BCC |
|----------|-----------|-----------|------------|-------|------------|------------|------------|
| 0 | 0 | 0 | 0 | 0 | 0.7491664 | 0.98365362 | 0.99999993 |
| 0 | 0 | 3753655.4 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 7507310.8 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 11260966 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 15014622 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 18768277 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 22521932 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 26275588 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 30029243 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 33782899 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 37536554 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 41290209 | 0 | 1 | 0.74916802 | 0.99316117 | 1 |
| 0 | 0 | 44982202 | 0 | 1 | 0.74503775 | 0.99326185 | 1 |
| 0 | 25411443 | 19656763 | 0 | 1 | 0.56291132 | 1 | 1 |
| 0 | 45214836 | 0 | 0 | 1 | 0.68667679 | 1 | 0.99046843 |
| 0 | 45350108 | 0 | 0 | 1 | 0.68659424 | 1 | 0.97364419 |
| 0 | 45368816 | 0 | 0 | 1 | 0.68659076 | 1 | 0.9712201 |
| 0 | 45368816 | 0 | 0 | 1 | 0.68659076 | 1 | 0.9712201 |
| 0 | 45368816 | 0 | 0 | 1 | 0.68659076 | 1 | 0.9712201 |
| 0 | 45368816 | 0 | 0 | 1 | 0.68659076 | 1 | 0.9712201 |
| 0 | 45368816 | 0 | 0 | 1 | 0.68659076 | 1 | 0.9712201 |
| 0 | 0 | 0 | 0 | 0 | 0.85508171 | 0.9928852 | 0.99999993 |
| 0 | 0 | 3699059.6 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 0 | 7398119.2 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 0 | 11097179 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 0 | 14796238 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 0 | 18495298 | 0 | 1 | 0.85508314 | 0.99863191 | 1 |
| 0 | 0 | 22194358 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 0 | 25893417 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 0 | 29592477 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 0 | 33291537 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 0 | 36990596 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 0 | 40689656 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 0 | 44388715 | 0 | 1 | 0.85508312 | 0.99863191 | 1 |
| 0 | 45066356 | 0 | 0 | 1 | 0.67655865 | 1 | 0.99818998 |
| 0 | 45129110 | 0 | 0 | 1 | 0.50021668 | 1 | 0.99140044 |
| 0 | 45237422 | 0 | 0 | 1 | 0.71692038 | 1 | 0.97905349 |
| 0 | 45431864 | 0 | 0 | 1 | 0.71689641 | 1 | 0.95502098 |
| 0 | 45438705 | 0 | 0 | 1 | 0.71689621 | 1 | 0.95413454 |
| 0 | 45438705 | 0 | 0 | 1 | 0.71689621 | 1 | 0.95413454 |
| 0 | 45438705 | 0 | 0 | 1 | 0.71689621 | 1 | 0.95413454 |
| 0 | 45438705 | 0 | 0 | 1 | 0.71689621 | 1 | 0.95413454 |
| 0 | 0 | 0 | 0 | 0 | 0.9631374 | 0.998932 | 0.99999993 |
| 0 | 3639020.1 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 7278040.1 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 10917060 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |

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|-----------|-----------|---|---|---|------------|---|------------|
| 0 | 14556080 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 18195100 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 21834120 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 25473140 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 29112160 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 32751181 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 36390201 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 40029221 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 43668241 | 0 | 0 | 1 | 0.96315324 | 1 | 0.99750856 |
| 0 | 45031582 | 0 | 0 | 1 | 0.78408365 | 1 | 0.99585486 |
| 0 | 45073693 | 0 | 0 | 1 | 0.5686718 | 1 | 0.99153797 |
| 0 | 45156218 | 0 | 0 | 1 | 0.74250428 | 1 | 0.9827486 |
| 0 | 45335034 | 0 | 0 | 1 | 0.74246852 | 1 | 0.96228677 |
| 0 | 45511760 | 0 | 0 | 1 | 0.74246561 | 1 | 0.94032605 |
| 0 | 45511760 | 0 | 0 | 1 | 0.74246561 | 1 | 0.94032605 |
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| 0 | 45511760 | 0 | 0 | 1 | 0.74246561 | 1 | 0.94032605 |
| 38278624 | 191593.76 | 0 | 0 | 0 | 1 | 1 | 0.99721883 |
| 38279933 | 3795086.9 | 0 | 0 | 1 | 1 | 1 | 0.99495934 |
| 38279933 | 7398808.1 | 0 | 0 | 1 | 1 | 1 | 0.99495934 |
| 38279933 | 11002529 | 0 | 0 | 1 | 1 | 1 | 0.99495934 |
| 38279933 | 14606251 | 0 | 0 | 1 | 1 | 1 | 0.99495934 |
| 0 | 18018606 | 0 | 0 | 1 | 0.77110404 | 1 | 0.99495934 |
| 0 | 21622328 | 0 | 0 | 1 | 0.77110404 | 1 | 0.99495934 |
| 37236983 | 25174385 | 0 | 0 | 1 | 1 | 1 | 0.99479965 |
| 31367124 | 28485101 | 0 | 0 | 1 | 1 | 1 | 0.99464579 |
| 24688570 | 32002628 | 0 | 0 | 1 | 1 | 1 | 0.99464579 |
| 18010016 | 35520155 | 0 | 0 | 1 | 1 | 1 | 0.99464579 |
| 11331461 | 39037682 | 0 | 0 | 1 | 1 | 1 | 0.99464579 |
| 4652907.4 | 42555209 | 0 | 0 | 1 | 1 | 1 | 0.99464579 |
| 0 | 45011301 | 0 | 0 | 1 | 0.90313539 | 1 | 0.99411553 |
| 0 | 45039050 | 0 | 0 | 1 | 0.64472425 | 1 | 0.99138894 |
| 0 | 45099525 | 0 | 0 | 1 | 0.76504969 | 1 | 0.98528699 |
| 0 | 45260246 | 0 | 0 | 1 | 0.7649942 | 1 | 0.96805497 |
| 0 | 45587345 | 0 | 0 | 1 | 0.76498985 | 1 | 0.92894685 |
| 0 | 45587345 | 0 | 0 | 1 | 0.76498985 | 1 | 0.92894685 |
| 0 | 45587345 | 0 | 0 | 1 | 0.76498985 | 1 | 0.92894685 |
| 0 | 45587345 | 0 | 0 | 1 | 0.76498985 | 1 | 0.92894685 |
| 40396376 | 231258.66 | 0 | 0 | 0 | 1 | 1 | 0.99493614 |
| 40397595 | 3801349.7 | 0 | 0 | 1 | 1 | 1 | 0.99345728 |
| 40397595 | 7371617.2 | 0 | 0 | 1 | 1 | 1 | 0.99345728 |
| 40397595 | 10941885 | 0 | 0 | 1 | 1 | 1 | 0.99345728 |
| 40397595 | 14512152 | 0 | 0 | 1 | 1 | 1 | 0.99345728 |
| 0 | 17851338 | 0 | 0 | 1 | 0.79541191 | 1 | 0.99345728 |
| 0 | 21421605 | 0 | 0 | 1 | 0.79541191 | 1 | 0.99345728 |
| 37826144 | 24712537 | 0 | 0 | 1 | 1 | 1 | 0.99322699 |
| 33482162 | 27601667 | 0 | 0 | 1 | 1 | 1 | 0.99291884 |

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|-----------|-----------|---|---|---|------------|---|------------|
| 26912633 | 31015520 | 0 | 0 | 1 | 1 | 1 | 0.99291884 |
| 20343104 | 34429373 | 0 | 0 | 1 | 1 | 1 | 0.99291884 |
| 13773575 | 37843226 | 0 | 0 | 1 | 1 | 1 | 0.99291884 |
| 7204045.5 | 41257079 | 0 | 0 | 1 | 1 | 1 | 0.99291884 |
| 634516.41 | 44670932 | 0 | 0 | 1 | 1 | 1 | 0.99291884 |
| 0 | 45017687 | 0 | 0 | 1 | 0.72863612 | 1 | 0.99130567 |
| 0 | 45060931 | 0 | 0 | 1 | 0.7863783 | 1 | 0.9871369 |
| 0 | 45202503 | 0 | 0 | 1 | 0.78628952 | 1 | 0.97279509 |
| 0 | 45596646 | 0 | 0 | 1 | 0.78628344 | 1 | 0.9279712 |
| 0 | 45664929 | 0 | 0 | 1 | 0.7862833 | 1 | 0.91958964 |
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| 0 | 45664929 | 0 | 0 | 1 | 0.7862833 | 1 | 0.91958964 |
| 42969924 | 287475.77 | 0 | 0 | 0 | 1 | 1 | 0.9937781 |
| 42971150 | 3826304.7 | 0 | 0 | 1 | 1 | 1 | 0.99278348 |
| 42971150 | 7365276.4 | 0 | 0 | 1 | 1 | 1 | 0.99278348 |
| 42971150 | 10904248 | 0 | 0 | 1 | 1 | 1 | 0.99278348 |
| 42971149 | 14443220 | 0 | 0 | 1 | 1 | 1 | 0.99278348 |
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| 42104182 | 21403533 | 0 | 0 | 1 | 1 | 1 | 0.99274784 |
| 38365768 | 24290490 | 0 | 0 | 1 | 1 | 1 | 0.99254115 |
| 34899010 | 26974001 | 0 | 0 | 1 | 1 | 1 | 0.99223846 |
| 28917342 | 30179229 | 0 | 0 | 1 | 1 | 1 | 0.99217905 |
| 22426860 | 33505008 | 0 | 0 | 1 | 1 | 1 | 0.99217905 |
| 15936378 | 36830786 | 0 | 0 | 1 | 1 | 1 | 0.99217905 |
| 9445895.5 | 40156564 | 0 | 0 | 1 | 1 | 1 | 0.99217905 |
| 2955413.3 | 43482343 | 0 | 0 | 1 | 1 | 1 | 0.99217905 |
| 0 | 45004478 | 0 | 0 | 1 | 0.8197789 | 1 | 0.99146951 |
| 0 | 45035081 | 0 | 0 | 1 | 0.80659328 | 1 | 0.9886403 |
| 0 | 45157794 | 0 | 0 | 1 | 0.80644845 | 1 | 0.97683787 |
| 0 | 45571797 | 0 | 0 | 1 | 0.80643958 | 1 | 0.93233054 |
| 0 | 45744214 | 0 | 0 | 1 | 0.80643917 | 1 | 0.91208846 |
| 0 | 45744214 | 0 | 0 | 1 | 0.80643917 | 1 | 0.91208846 |
| 0 | 45744214 | 0 | 0 | 1 | 0.80643917 | 1 | 0.91208846 |
| 46297639 | 371159.39 | 0 | 0 | 0 | 1 | 1 | 0.99344328 |
| 46298990 | 3880903.1 | 0 | 0 | 1 | 1 | 1 | 0.99275843 |
| 46298990 | 7390766.9 | 0 | 0 | 1 | 1 | 1 | 0.99275843 |
| 46298990 | 10900631 | 0 | 0 | 1 | 1 | 1 | 0.99275843 |
| 46298990 | 14410495 | 0 | 0 | 1 | 1 | 1 | 0.99275843 |
| 46298990 | 17920359 | 0 | 0 | 1 | 1 | 1 | 0.99275843 |
| 42606579 | 21011070 | 0 | 0 | 1 | 1 | 1 | 0.99267008 |
| 38857132 | 23906721 | 0 | 0 | 1 | 1 | 1 | 0.99252964 |
| 35354409 | 26617493 | 0 | 0 | 1 | 1 | 1 | 0.9923232 |
| 30739377 | 29473263 | 0 | 0 | 1 | 1 | 1 | 0.99216325 |
| 24299912 | 32724577 | 0 | 0 | 1 | 1 | 1 | 0.99216325 |
| 17860447 | 35975891 | 0 | 0 | 1 | 1 | 1 | 0.99216325 |
| 11420982 | 39227204 | 0 | 0 | 1 | 1 | 1 | 0.99216325 |
| 4981517.7 | 42478518 | 0 | 0 | 1 | 1 | 1 | 0.99216325 |

| | | | | | | | |
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| 0 | 44996200 | 0 | 0 | 1 | 0.91756342 | 1 | 0.99194366 |
| 0 | 45017874 | 0 | 0 | 1 | 0.82579638 | 1 | 0.99002181 |
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| 0 | 45555048 | 0 | 0 | 1 | 0.82554447 | 1 | 0.93655216 |
| 0 | 45825735 | 0 | 0 | 1 | 0.8255437 | 1 | 0.90643803 |
| 0 | 45825735 | 0 | 0 | 1 | 0.8255437 | 1 | 0.90643803 |
| 0 | 45825735 | 0 | 0 | 1 | 0.8255437 | 1 | 0.90643803 |

| | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 0.98342868 | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> |
| 0.97894267 | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> |
| 0.95650911 | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> |
| 0.85454181 | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> |
| 0.78504668 | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> |
| 0.78504668 | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> |
| 0.78504668 | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> | <-not-calctd.-> |