FIG.1b

| *r* | *A* | *B* | *O* | *S* |
|---|---|---|---|---|
| 1 | 0 | 0.25 | 0 | 0.75 |
| 2 | 0 | 0.23077 | 0 | 0.76923 |
| 3 | 0 | 0.25 | 0 | 0.75 |
| 4 | 0 | 0.24845 | 0 | 0.75155 |
| 5 | 0 | 0.22177 | 0 | 0.77823 |
| 6 | 0 | 0.27551 | 0 | 0.72449 |
| 7 | 0 | 0.24283 | 0 | 0.75717 |
| 8 | 0.00993 | 0.24539 | 0.00567 | 0.73901 |
| 9 | 0.02308 | 0.2033 | 0.04615 | 0.72747 |
| 10 | 0.05249 | 0.10943 | 0.20641 | 0.63167 |
| 11 | 0.05878 | 0.0172 | 0.5405 | 0.38351 |
| 12 | 0.02358 | 0.00181 | 0.74849 | 0.22612 |
| 13 | 0.00402 | 0 | 0.81225 | 0.18374 |
| 14 | 0 | 0 | 0.82215 | 0.17785 |
| 15 | 0 | 0 | 0.81335 | 0.18665 |
| 16 | 0 | 0 | 0.8192 | 0.1808 |
| 17 | 0 | 0 | 0.81371 | 0.18629 |
| 18 | 0 | 0 | 0.8142 | 0.18579 |
| 19 | 0 | 0 | 0.80813 | 0.19187 |
| 20 | 0 | 0 | 0.81906 | 0.18094 |
| 21 | 0 | 0 | 0.81653 | 0.18347 |
| 22 | 0 | 0 | 0.80669 | 0.19331 |
| 23 | 0 | 0 | 0.81281 | 0.18718 |
| 24 | 0 | 0 | 0.81244 | 0.18756 |
| 25 | 0 | 0 | 0.81321 | 0.18679 |
| 26 | 0 | 0 | 0.81119 | 0.18881 |
| 27 | 0 | 0 | 0.81087 | 0.18913 |
| 28 | 0 | 0 | 0.8151 | 0.1849 |
| 29 | 0 | 0 | 0.81154 | 0.18846 |
| 30 | 0 | 0 | 0.80957 | 0.19043 |

FIG.1c

| *r* | *A* | *B* | *O* | *S* |
|---|---|---|---|---|
| 1 | 0 | 0 | 0.85417 | 0.14583 |
| 2 | 0.01667 | 0 | 0.86343 | 0.1199 |
| 3 | 0.1609 | 0 | 0.70242 | 0.13667 |
| 4 | 0.33962 | 0 | 0.46541 | 0.19497 |
| 5 | 0.35318 | 0.04762 | 0.14683 | 0.45238 |
| 6 | 0.0844 | 0.18926 | 0.0179 | 0.70844 |
| 7 | 0.00571 | 0.24191 | 0.00191 | 0.75048 |
| 8 | 0 | 0.2749 | 0 | 0.72511 |
| 9 | 0 | 0.24557 | 0 | 0.75443 |
| 10 | 0 | 0.24934 | 0 | 0.75066 |
| 11 | 0 | 0.25532 | 0 | 0.74468 |
| 12 | 0 | 0.25289 | 0 | 0.74711 |
| 13 | 5.06E-04 | 0.25304 | 5.06E-04 | 0.74595 |
| 14 | 0.00174 | 0.25949 | 0.00305 | 0.73572 |
| 15 | 0.03146 | 0.18651 | 0.05534 | 0.72669 |
| 16 | 0.09505 | 0.05677 | 0.30759 | 0.54059 |
| 17 | 0.07055 | 0.00235 | 0.6555 | 0.2716 |
| 18 | 0.0121 | 0 | 0.8296 | 0.1583 |

| | | | | |
|---|---|---|---|---|
| 19 | 0.00164 | 0 | 0.84745 | 0.15091 |
| 20 | 0 | 0 | 0.85282 | 0.14718 |
| 21 | 0 | 0 | 0.85431 | 0.14569 |
| 22 | 0 | 0 | 0.85084 | 0.14916 |
| 23 | 0 | 0 | 0.84927 | 0.15073 |
| 24 | 0 | 0 | 0.84718 | 0.15282 |
| 25 | 0 | 0 | 0.84466 | 0.15534 |
| 26 | 0 | 0 | 0.85085 | 0.14915 |
| 27 | 0 | 0 | 0.85213 | 0.14787 |
| 28 | 0 | 0 | 0.84462 | 0.15538 |
| 29 | 0 | 0 | 0.8455 | 0.15449 |
| 30 | 0 | 0 | 0.85235 | 0.14765 |

FIG.2a($rg^2$)

| $C_S$ | $B$ | $H$ |
|---|---|---|
| 0 | 1.18025 | 1.20707 |
| 0.03 | 0.71357 | 0.63255 |
| 0.05 | 0.73961 | 0.66035 |
| 0.07 | 0.75045 | 0.69808 |
| 0.1 | 0.78513 | 0.72925 |
| 0.13 | 0.83448 | 0.77445 |
| 0.15 | 0.86186 | 0.7958 |
| 0.17 | 0.89249 | 0.81315 |
| 0.2 | 0.91832 | 0.83405 |
| 0.25 | 1.00587 | 0.88579 |
| 0.3 | 1.08093 | 0.94454 |
| 0.35 | 1.13566 | 1.01954 |
| 0.4 | 1.1994 | 1.06506 |
| 0.45 | 1.27901 | 1.17364 |
| 0.5 | 1.36979 | 1.27133 |
| 0.55 | 1.40781 | 1.39445 |
| 0.6 | 1.47906 | 1.46835 |
| 0.65 | 1.54585 | 1.54892 |
| 0.7 | 1.59632 | 1.66449 |
| 0.75 | 1.67188 | 1.74776 |
| 0.8 | 1.70102 | 1.86077 |
| 0.85 | 1.76779 | 1.90063 |
| 0.9 | 1.83442 | 1.9736 |
| 1 | 1.97824 | 2.11407 |

FIG.2b($rg^2$)

| $C_S$ | $A$ | $B$ | $AB$ | $H$ |
|---|---|---|---|---|
| 0 | 0.99673 | 1.2326 | 1.43141 | 1.2132 |
| 0.1 | 0.99932 | 1.53476 | 1.94578 | 1.41207 |
| 0.2 | 1.00107 | 1.58576 | 1.99333 | 1.47297 |
| 0.3 | 1.00196 | 1.65515 | 2.02363 | 1.60469 |
| 0.4 | 1.00333 | 1.68354 | 2.03975 | 1.63334 |
| 0.5 | 1.0064 | 1.71691 | 2.03245 | 1.71122 |
| 0.6 | 1.0055 | 1.71796 | 1.97525 | 1.76196 |
| 0.7 | 1.01102 | 1.70216 | 1.91382 | 1.80821 |
| 0.8 | 1.01612 | 1.75137 | 1.90403 | 1.84178 |
| 0.9 | 1.01605 | 1.87311 | 2.00099 | 1.9524 |

| | | | | |
|---|---|---|---|---|
| 1 | 1.01793 | 1.962 | 2.08851 | 2.09843 |

FIG.2c($rg^2$)

| $C_S$ | $\phi p=4.63*10^{-5}$ | $C_S$ | $\phi p=9.26*10^{-5}$ |
|---|---|---|---|
| 0 | 1.20707 | 0 | 1.19398 |
| 0.03 | 0.63255 | 0.1 | 0.87641 |
| 0.05 | 0.66035 | 0.2 | 0.97903 |
| 0.07 | 0.69808 | 0.3 | 1.04337 |
| 0.1 | 0.72925 | 0.4 | 1.14028 |
| 0.13 | 0.77445 | 0.5 | 1.26077 |
| 0.15 | 0.7958 | 0.6 | 1.48127 |
| 0.17 | 0.81315 | 0.7 | 1.64116 |
| 0.2 | 0.83405 | 0.8 | 1.83075 |
| 0.25 | 0.88579 | 0.9 | 1.95615 |
| 0.3 | 0.94454 | 1 | 2.10527 |
| 0.35 | 1.01954 | | |
| 0.4 | 1.06506 | $C_S$ | $\phi p=2.31*10^{-4}$ |
| 0.45 | 1.17364 | 0 | 1.21763 |
| 0.5 | 1.27133 | 0.1 | 1.12711 |
| 0.55 | 1.39445 | 0.2 | 1.17242 |
| 0.6 | 1.46835 | 0.3 | 1.20961 |
| 0.65 | 1.54892 | 0.4 | 1.22897 |
| 0.7 | 1.66449 | 0.5 | 1.34503 |
| 0.75 | 1.74776 | 0.6 | 1.4803 |
| 0.8 | 1.86077 | 0.7 | 1.66641 |
| 0.85 | 1.90063 | 0.8 | 1.81837 |
| 0.9 | 1.9736 | 0.9 | 1.97234 |
| 1 | 2.11407 | 1 | 2.1192 |
| | | | |
| $C_S$ | $\phi p=4.63*10^{-4}$ | $\phi p=2.00*10^{-2}$ | |
| 0 | 1.23383 | 1.2132 | |
| 0.1 | 1.26094 | 1.41207 | |
| 0.2 | 1.32673 | 1.47297 | |
| 0.3 | 1.37717 | 1.60469 | |
| 0.4 | 1.45249 | 1.63334 | |
| 0.5 | 1.47762 | 1.71122 | |
| 0.6 | 1.51156 | 1.76196 | |
| 0.7 | 1.66974 | 1.80821 | |
| 0.8 | 1.85123 | 1.84178 | |
| 0.9 | 1.97426 | 1.9524 | |
| 1 | 2.1006 | 2.09843 | |

FIGs.3a

| $CS$ | $\beta\Delta f$ | $\beta\Delta u$ | $\Delta s/k_B$ | $\Delta s'/k_B$ |
|---|---|---|---|---|
| 0.00924 | -0.05355 | -0.11963 | -0.06607 | -0.05901 |
| 0.01026 | -0.05823 | -0.12815 | -0.06992 | -6.29E-02 |
| 0.01128 | -0.0624 | -0.1359 | -0.07349 | -0.06655 |
| 0.0123 | -0.06614 | -0.14291 | -0.07677 | -6.99E-02 |
| 0.01332 | -0.06949 | -0.14922 | -0.07973 | -0.0729 |
| 0.01434 | -0.0725 | -0.15487 | -0.08237 | -0.07559 |
| 0.01536 | -0.07522 | -0.15991 | -0.0847 | -0.07796 |

| | | | | |
|---|---|---|---|---|
| 0.01638 | -0.07769 | -0.16442 | -0.08673 | -0.08004 |
| 0.0174 | -0.07994 | -0.16843 | -0.0885 | -0.08184 |
| 0.01842 | -0.082 | -0.17203 | -0.09003 | -0.08341 |
| 0.01944 | -8.39E-02 | -0.17525 | -0.09136 | -0.08477 |
| 0.02046 | -8.56E-02 | -0.17815 | -0.09251 | -0.08595 |
| 0.02148 | -0.08727 | -0.18077 | -0.09351 | -0.08698 |
| 0.0225 | -0.08878 | -0.18315 | -0.09438 | -0.08788 |
| 0.02352 | -0.09019 | -0.18532 | -0.09513 | -0.08866 |
| 0.02454 | -0.09151 | -0.1873 | -0.09579 | -0.08934 |
| 0.02557 | -0.09275 | -0.18912 | -0.09637 | -0.08994 |
| 0.02659 | -0.09391 | -0.19079 | -0.09687 | -0.09047 |
| 0.02761 | -0.09501 | -0.19233 | -0.09732 | -0.09093 |
| 0.02863 | -0.09605 | -0.19376 | -0.09771 | -0.09134 |
| 0.02965 | -0.09704 | -0.19509 | -0.09805 | -0.0917 |
| 0.03067 | -0.09797 | -0.19632 | -0.09835 | -0.09201 |
| 0.03169 | -0.09886 | -0.19747 | -0.09861 | -0.09229 |
| 0.03271 | -0.09971 | -0.19855 | -0.09884 | -0.09254 |
| 0.03373 | -0.10051 | -0.19955 | -0.09904 | -0.09276 |
| 0.03475 | -0.10128 | -0.2005 | -0.09922 | -0.09295 |
| 0.03577 | -0.10201 | -0.20138 | -0.09937 | -0.09311 |
| 0.03679 | -0.10271 | -0.20222 | -0.0995 | -0.09326 |
| 0.03781 | -0.10338 | -0.203 | -0.09962 | -0.09339 |
| 0.03883 | -0.10403 | -0.20374 | -0.09972 | -0.0935 |
| 0.03985 | -0.10464 | -0.20444 | -0.0998 | -0.09359 |
| 0.04087 | -0.10523 | -0.2051 | -0.09987 | -0.09367 |
| 0.04189 | -0.1058 | -0.20572 | -0.09992 | -0.09374 |
| 0.04291 | -0.10634 | -0.20631 | -0.09997 | -0.0938 |
| 0.04393 | -0.10687 | -0.20687 | -0.1 | -0.09385 |
| 0.04495 | -0.10737 | -0.2074 | -0.10003 | -0.09388 |
| 0.04597 | -0.10785 | -0.2079 | -0.10005 | -0.09391 |
| 0.04699 | -0.10832 | -0.20838 | -0.10006 | -0.09393 |
| 0.04801 | -0.10877 | -0.20883 | -0.10006 | -0.09394 |
| 0.04903 | -0.1092 | -0.20925 | -0.10005 | -0.09395 |
| 0.05006 | -0.10962 | -0.20966 | -0.10004 | -0.09395 |
| 0.05108 | -0.11002 | -0.21004 | -0.10003 | -0.09394 |
| 0.0521 | -0.1104 | -0.21041 | -0.10001 | -0.09393 |
| 0.05312 | -0.11078 | -0.21076 | -0.09998 | -0.09391 |
| 0.05414 | -0.11114 | -0.21109 | -0.09995 | -0.09389 |
| 0.05516 | -0.11148 | -0.2114 | -0.09992 | -0.09387 |
| 0.05618 | -0.11182 | -0.21169 | -0.09988 | -0.09384 |
| 0.0572 | -0.11214 | -0.21197 | -0.09983 | -0.0938 |
| 0.05822 | -0.11245 | -0.21224 | -0.09979 | -0.09376 |
| 0.05924 | -0.11275 | -0.21249 | -0.09974 | -0.09372 |
| 0.06026 | -0.11304 | -0.21273 | -0.09969 | -0.09368 |
| 0.06128 | -0.11332 | -0.21296 | -0.09963 | -0.09363 |
| 0.0623 | -0.11359 | -0.21317 | -0.09958 | -0.09359 |
| 0.06332 | -0.11385 | -0.21337 | -0.09952 | -0.09353 |
| 0.06434 | -0.1141 | -0.21356 | -0.09946 | -0.09348 |
| 0.06536 | -0.11435 | -0.21374 | -0.09939 | -0.09342 |
| 0.06638 | -0.11458 | -0.21391 | -0.09933 | -0.09337 |
| 0.0674 | -0.11481 | -0.21407 | -0.09926 | -0.09331 |
| 0.06842 | -0.11503 | -0.21422 | -0.09919 | -0.09325 |

| | | | | |
|---|---|---|---|---|
| 0.06944 | -0.11524 | -0.21436 | -0.09912 | -0.09318 |
| 0.07046 | -0.11544 | -0.21449 | -0.09905 | -0.09312 |
| 0.07148 | -0.11564 | -0.21462 | -0.09898 | -0.09305 |
| 0.0725 | -0.11583 | -0.21473 | -0.0989 | -0.09298 |
| 0.07352 | -0.11601 | -0.21484 | -0.09883 | -0.09292 |
| 0.07454 | -0.11618 | -0.21493 | -0.09875 | -0.09285 |
| 0.07557 | -0.11635 | -0.21503 | -0.09867 | -0.09277 |
| 0.07659 | -0.11652 | -0.21511 | -0.09859 | -0.0927 |
| 0.07659 | -0.11652 | -0.21511 | -0.09859 | -0.0927 |
| 0.07761 | -0.11667 | -0.21519 | -0.09851 | -0.09263 |
| 0.07863 | -0.11682 | -0.21526 | -0.09843 | -0.09255 |
| 0.07965 | -0.11697 | -0.21532 | -0.09835 | -0.09248 |
| 0.08067 | -0.11711 | -0.21538 | -0.09827 | -0.0924 |
| 0.08169 | -0.11724 | -0.21543 | -0.09819 | -0.09232 |
| 0.08271 | -0.11737 | -0.21547 | -0.0981 | -0.09225 |
| 0.08373 | -0.11749 | -0.21551 | -0.09802 | -0.09217 |
| 0.08475 | -0.11761 | -0.21554 | -0.09793 | -0.09209 |
| 0.08577 | -0.11772 | -0.21557 | -0.09785 | -0.09201 |
| 0.08679 | -0.11783 | -0.21559 | -0.09776 | -0.09193 |
| 0.08781 | -0.11794 | -0.21561 | -0.09767 | -0.09185 |
| 0.08883 | -0.11804 | -0.21562 | -0.09759 | -0.09177 |
| 0.08985 | -0.11813 | -0.21563 | -0.0975 | -0.09168 |
| 0.09087 | -0.11822 | -0.21563 | -0.09741 | -0.0916 |
| 0.09189 | -0.11831 | -0.21563 | -0.09732 | -0.09152 |
| 0.09291 | -0.11839 | -0.21562 | -0.09723 | -0.09143 |
| 0.09393 | -0.11847 | -0.21561 | -0.09714 | -0.09135 |
| 0.09495 | -0.11854 | -0.21559 | -0.09705 | -0.09127 |
| 0.09597 | -0.11861 | -0.21557 | -0.09696 | -0.09118 |
| 0.09699 | -0.11868 | -0.21555 | -0.09687 | -0.0911 |
| 0.09801 | -0.11874 | -0.21552 | -0.09678 | -0.09101 |
| 0.09903 | -0.1188 | -0.21549 | -0.09669 | -0.09093 |
| 0.10006 | -0.11885 | -0.21545 | -0.0966 | -0.09084 |
| 0.10108 | -0.1189 | -0.21541 | -0.09651 | -0.09075 |
| 0.1021 | -0.11895 | -0.21537 | -0.09641 | -0.09067 |
| 0.10312 | -0.119 | -0.21532 | -0.09632 | -0.09058 |
| 0.10414 | -0.11904 | -0.21527 | -0.09623 | -0.09049 |
| 0.10516 | -0.11908 | -0.21521 | -0.09614 | -0.09041 |
| 0.10618 | -0.11911 | -0.21516 | -0.09605 | -0.09032 |
| 0.1072 | -0.11914 | -0.2151 | -0.09595 | -0.09023 |
| 0.10822 | -0.11917 | -0.21503 | -0.09586 | -0.09014 |
| 0.10924 | -0.1192 | -0.21496 | -0.09577 | -0.09005 |
| 0.11026 | -0.11922 | -0.21489 | -0.09567 | -0.08997 |
| 0.11128 | -0.11924 | -0.21482 | -0.09558 | -0.08988 |
| 0.1123 | -0.11926 | -0.21475 | -0.09549 | -0.08979 |
| 0.11332 | -0.11927 | -0.21467 | -0.09539 | -0.0897 |
| 0.11434 | -0.11928 | -0.21458 | -0.0953 | -0.08961 |
| 0.11536 | -0.11929 | -0.2145 | -0.09521 | -0.08952 |
| 0.11638 | -0.1193 | -0.21441 | -0.09511 | -0.08943 |
| 0.1174 | -0.1193 | -0.21432 | -0.09502 | -0.08935 |
| 0.11842 | -0.1193 | -0.21423 | -0.09493 | -0.08926 |
| 0.11944 | -0.1193 | -0.21413 | -0.09483 | -0.08917 |
| 0.12046 | -0.1193 | -0.21404 | -0.09474 | -0.08908 |

| | | | | |
|---|---|---|---|---|
| 0.12148 | -0.11929 | -0.21394 | -0.09464 | -0.08899 |
| 0.1225 | -0.11928 | -0.21383 | -0.09455 | -0.0889 |
| 0.12352 | -0.11927 | -0.21373 | -0.09446 | -0.08881 |
| 0.12454 | -0.11926 | -0.21362 | -0.09436 | -0.08872 |
| 0.12557 | -0.11924 | -0.21351 | -0.09427 | -0.08863 |
| 0.12659 | -0.11923 | -0.2134 | -0.09417 | -0.08854 |
| 0.12761 | -0.11921 | -0.21328 | -0.09408 | -0.08845 |
| 0.12863 | -0.11918 | -0.21317 | -0.09399 | -0.08836 |
| 0.12965 | -0.11916 | -0.21305 | -0.09389 | -0.08827 |
| 0.13067 | -0.11913 | -0.21293 | -0.0938 | -0.08818 |
| 0.13169 | -0.1191 | -0.21281 | -0.0937 | -0.08809 |
| 0.13271 | -0.11907 | -0.21268 | -0.09361 | -0.088 |
| 0.13373 | -0.11904 | -0.21256 | -0.09351 | -0.08791 |
| 0.13475 | -0.11901 | -0.21243 | -0.09342 | -0.08782 |
| 0.13577 | -0.11897 | -0.2123 | -0.09333 | -0.08773 |
| 0.13679 | -0.11893 | -0.21216 | -0.09323 | -0.08764 |
| 0.13781 | -0.11889 | -0.21203 | -0.09314 | -0.08755 |
| 0.13883 | -0.11885 | -0.21189 | -0.09304 | -0.08746 |
| 0.13985 | -0.11881 | -0.21176 | -0.09295 | -0.08738 |
| 0.14087 | -0.11876 | -0.21162 | -0.09286 | -0.08729 |
| 0.14189 | -0.11871 | -0.21147 | -0.09276 | -0.0872 |
| 0.14291 | -0.11866 | -0.21133 | -0.09267 | -0.08711 |
| 0.14393 | -0.11861 | -0.21119 | -0.09257 | -0.08702 |
| 0.14495 | -0.11856 | -0.21104 | -0.09248 | -0.08693 |
| 0.14597 | -0.11851 | -0.21089 | -0.09239 | -0.08684 |
| 0.14699 | -0.11845 | -0.21074 | -0.09229 | -0.08675 |
| 0.14801 | -0.11839 | -0.21059 | -0.0922 | -0.08666 |
| 0.14903 | -0.11833 | -0.21044 | -0.0921 | -0.08657 |
| 0.15006 | -0.11827 | -0.21028 | -0.09201 | -0.08648 |
| 0.15108 | -0.11821 | -0.21013 | -0.09192 | -0.08639 |
| 0.1521 | -0.11815 | -0.20997 | -0.09182 | -0.0863 |
| 0.15312 | -0.11808 | -0.20981 | -0.09173 | -0.08621 |
| 0.15414 | -0.11802 | -0.20965 | -0.09164 | -0.08612 |
| 0.15516 | -0.11795 | -0.20949 | -0.09154 | -0.08603 |
| 0.15618 | -0.11788 | -0.20933 | -0.09145 | -0.08594 |
| 0.1572 | -0.11781 | -0.20916 | -0.09135 | -0.08585 |
| 0.15822 | -0.11773 | -0.209 | -0.09126 | -0.08576 |
| 0.15924 | -0.11766 | -0.20883 | -0.09117 | -0.08567 |
| 0.16026 | -0.11759 | -0.20866 | -0.09107 | -0.08558 |
| 0.16128 | -0.11751 | -0.20849 | -0.09098 | -0.08549 |
| 0.1623 | -0.11743 | -0.20832 | -0.09089 | -0.0854 |
| 0.16332 | -0.11735 | -0.20815 | -0.09079 | -0.08531 |
| 0.16434 | -0.11727 | -0.20797 | -0.0907 | -0.08522 |
| 0.16536 | -0.11719 | -0.2078 | -0.09061 | -0.08514 |
| 0.16638 | -0.11711 | -0.20762 | -0.09052 | -0.08505 |
| 0.1674 | -0.11702 | -0.20744 | -0.09042 | -0.08496 |
| 0.16842 | -0.11694 | -0.20727 | -0.09033 | -0.08487 |
| 0.16944 | -0.11685 | -0.20709 | -0.09024 | -0.08478 |
| 0.17046 | -0.11676 | -0.2069 | -0.09014 | -0.08469 |
| 0.17148 | -0.11667 | -0.20672 | -0.09005 | -0.0846 |
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| 0.68475 | -0.02516 | -0.06639 | -0.04123 | -0.03771 |
| 0.68577 | -0.02497 | -0.06607 | -0.0411 | -0.03759 |
| 0.68679 | -0.02479 | -0.06576 | -0.04097 | -0.03747 |
| 0.68781 | -0.02461 | -0.06545 | -0.04084 | -0.03735 |
| 0.68883 | -0.02442 | -0.06514 | -0.04071 | -0.03722 |
| 0.68985 | -0.02424 | -0.06482 | -0.04059 | -0.0371 |
| 0.69087 | -0.02406 | -0.06451 | -0.04046 | -0.03698 |
| 0.69189 | -0.02387 | -0.0642 | -0.04033 | -0.03685 |
| 0.69291 | -0.02369 | -0.06389 | -0.0402 | -0.03673 |
| 0.69393 | -0.02351 | -0.06357 | -0.04007 | -0.03661 |
| 0.69495 | -0.02333 | -0.06326 | -0.03993 | -0.03648 |
| 0.69597 | -0.02314 | -0.06295 | -0.0398 | -0.03636 |
| 0.69699 | -0.02296 | -0.06264 | -0.03967 | -0.03623 |
| 0.69801 | -0.02278 | -0.06232 | -0.03954 | -0.03611 |
| 0.69903 | -0.0226 | -0.06201 | -0.03941 | -0.03598 |
| 0.70006 | -0.02242 | -0.0617 | -0.03928 | -0.03586 |
| 0.70108 | -0.02224 | -0.06138 | -0.03914 | -0.03573 |
| 0.7021 | -0.02206 | -0.06107 | -0.03901 | -0.0356 |
| 0.70312 | -0.02188 | -0.06076 | -0.03888 | -0.03548 |
| 0.70414 | -0.0217 | -0.06045 | -0.03874 | -0.03535 |

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|---|---|---|---|---|
| 0.70516 | -0.02152 | -0.06013 | -0.03861 | -0.03522 |
| 0.70618 | -0.02135 | -0.05982 | -0.03847 | -0.03509 |
| 0.7072 | -0.02117 | -0.05951 | -0.03834 | -0.03497 |
| 0.70822 | -0.02099 | -0.05919 | -0.0382 | -0.03484 |
| 0.70924 | -0.02081 | -0.05888 | -0.03807 | -0.03471 |
| 0.71026 | -0.02063 | -0.05857 | -0.03793 | -0.03458 |
| 0.71128 | -0.02046 | -0.05825 | -0.0378 | -0.03445 |
| 0.7123 | -0.02028 | -0.05794 | -0.03766 | -0.03432 |
| 0.71332 | -0.0201 | -0.05763 | -0.03752 | -0.03419 |
| 0.71434 | -0.01993 | -0.05731 | -0.03738 | -0.03406 |
| 0.71536 | -0.01975 | -0.057 | -0.03725 | -0.03393 |
| 0.71638 | -0.01958 | -0.05668 | -0.03711 | -0.0338 |
| 0.7174 | -0.0194 | -0.05637 | -0.03697 | -0.03367 |
| 0.71842 | -0.01923 | -0.05606 | -0.03683 | -0.03353 |
| 0.71944 | -0.01905 | -0.05574 | -0.03669 | -0.0334 |
| 0.72046 | -0.01888 | -0.05543 | -0.03655 | -0.03327 |
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| 0.7225 | -0.01853 | -0.0548 | -0.03627 | -0.033 |
| 0.72352 | -0.01836 | -0.05449 | -0.03613 | -0.03287 |
| 0.72454 | -0.01819 | -0.05417 | -0.03599 | -0.03274 |
| 0.72557 | -0.01802 | -0.05386 | -0.03584 | -0.0326 |
| 0.72659 | -0.01784 | -0.05355 | -0.0357 | -0.03247 |
| 0.72761 | -0.01767 | -0.05323 | -0.03556 | -0.03233 |
| 0.72863 | -0.0175 | -0.05292 | -0.03541 | -0.0322 |
| 0.72965 | -0.01733 | -0.0526 | -0.03527 | -0.03206 |
| 0.73067 | -0.01716 | -0.05229 | -0.03513 | -0.03192 |
| 0.73169 | -0.01699 | -0.05197 | -0.03498 | -0.03179 |
| 0.73271 | -0.01682 | -0.05166 | -0.03484 | -0.03165 |
| 0.73373 | -0.01665 | -0.05134 | -0.03469 | -0.03151 |
| 0.73475 | -0.01649 | -0.05103 | -0.03455 | -0.03137 |
| 0.73577 | -0.01632 | -0.05072 | -0.0344 | -0.03123 |
| 0.73679 | -0.01615 | -0.0504 | -0.03425 | -0.0311 |
| 0.73781 | -0.01598 | -0.05009 | -0.0341 | -0.03096 |
| 0.73883 | -0.01582 | -0.04977 | -0.03396 | -0.03082 |
| 0.73985 | -0.01565 | -0.04946 | -0.03381 | -0.03068 |
| 0.74087 | -0.01548 | -0.04914 | -0.03366 | -0.03054 |
| 0.74189 | -0.01532 | -0.04883 | -0.03351 | -0.03039 |
| 0.74291 | -0.01515 | -0.04851 | -0.03336 | -0.03025 |
| 0.74393 | -0.01499 | -0.0482 | -0.03321 | -0.03011 |
| 0.74495 | -0.01482 | -0.04788 | -0.03306 | -0.02997 |
| 0.74597 | -0.01466 | -0.04757 | -0.03291 | -0.02982 |
| 0.74699 | -0.0145 | -0.04725 | -0.03275 | -0.02968 |
| 0.74801 | -0.01433 | -0.04693 | -0.0326 | -0.02954 |
| 0.74903 | -0.01417 | -0.04662 | -0.03245 | -0.02939 |
| 0.75006 | -0.01401 | -0.0463 | -0.03229 | -0.02925 |
| 0.75108 | -0.01385 | -0.04599 | -0.03214 | -0.0291 |
| 0.7521 | -0.01369 | -0.04567 | -0.03199 | -0.02896 |
| 0.75312 | -0.01353 | -0.04536 | -0.03183 | -0.02881 |
| 0.75414 | -0.01337 | -0.04504 | -0.03167 | -0.02866 |
| 0.75516 | -0.01321 | -0.04472 | -0.03152 | -0.02852 |
| 0.75618 | -0.01305 | -0.04441 | -0.03136 | -0.02837 |
| 0.7572 | -0.01289 | -0.04409 | -0.0312 | -0.02822 |

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|---|---|---|---|---|
| 0.75822 | -0.01273 | -0.04378 | -0.03104 | -0.02807 |
| 0.75924 | -0.01257 | -0.04346 | -0.03089 | -0.02792 |
| 0.76026 | -0.01242 | -0.04314 | -0.03073 | -0.02777 |
| 0.76128 | -0.01226 | -0.04283 | -0.03057 | -0.02762 |
| 0.7623 | -0.0121 | -0.04251 | -0.03041 | -0.02747 |
| 0.76332 | -0.01195 | -0.04219 | -0.03024 | -0.02732 |
| 0.76434 | -0.01179 | -0.04188 | -0.03008 | -0.02717 |
| 0.76536 | -0.01164 | -0.04156 | -0.02992 | -0.02701 |
| 0.76638 | -0.01149 | -0.04124 | -0.02976 | -0.02686 |
| 0.7674 | -0.01133 | -0.04093 | -0.02959 | -0.02671 |
| 0.76842 | -0.01118 | -0.04061 | -0.02943 | -0.02655 |
| 0.76944 | -0.01103 | -0.04029 | -0.02926 | -0.0264 |
| 0.77046 | -0.01088 | -0.03997 | -0.0291 | -0.02624 |
| 0.77148 | -0.01073 | -0.03966 | -0.02893 | -0.02609 |
| 0.7725 | -0.01058 | -0.03934 | -0.02876 | -0.02593 |
| 0.77352 | -0.01043 | -0.03902 | -0.0286 | -0.02577 |
| 0.77454 | -0.01028 | -0.0387 | -0.02843 | -0.02561 |
| 0.77557 | -0.01013 | -0.03839 | -0.02826 | -0.02545 |
| 0.77659 | -0.00998 | -0.03807 | -0.02809 | -0.02529 |
| 0.77761 | -0.00983 | -0.03775 | -0.02792 | -0.02513 |
| 0.77863 | -0.00969 | -0.03743 | -0.02774 | -0.02497 |
| 0.77965 | -0.00954 | -0.03711 | -0.02757 | -0.02481 |
| 0.78067 | -0.00939 | -0.03679 | -0.0274 | -0.02465 |
| 0.78169 | -0.00925 | -0.03648 | -0.02723 | -0.02449 |
| 0.78271 | -0.00911 | -0.03616 | -0.02705 | -0.02432 |
| 0.78373 | -0.00896 | -0.03584 | -0.02687 | -0.02416 |
| 0.78475 | -0.00882 | -0.03552 | -0.0267 | -0.02399 |
| 0.78577 | -0.00868 | -0.0352 | -0.02652 | -0.02383 |
| 0.78679 | -0.00854 | -0.03488 | -0.02634 | -0.02366 |
| 0.78781 | -0.00839 | -0.03456 | -0.02616 | -0.0235 |
| 0.78883 | -0.00825 | -0.03424 | -0.02598 | -0.02333 |
| 0.78985 | -0.00811 | -0.03392 | -0.0258 | -0.02316 |
| 0.79087 | -0.00798 | -0.0336 | -0.02562 | -0.02299 |
| 0.79189 | -0.00784 | -0.03328 | -0.02544 | -0.02282 |
| 0.79291 | -0.0077 | -0.03296 | -0.02525 | -0.02265 |
| 0.79393 | -0.00756 | -0.03263 | -0.02507 | -0.02248 |
| 0.79495 | -0.00743 | -0.03231 | -0.02488 | -0.0223 |
| 0.79597 | -0.00729 | -0.03199 | -0.0247 | -0.02213 |
| 0.79699 | -0.00716 | -0.03167 | -0.02451 | -0.02195 |
| 0.79801 | -0.00702 | -0.03135 | -0.02432 | -0.02178 |
| 0.79903 | -0.00689 | -0.03102 | -0.02413 | -0.0216 |
| 0.80006 | -0.00676 | -0.0307 | -0.02394 | -0.02143 |
| 0.80108 | -0.00663 | -0.03038 | -0.02375 | -0.02125 |
| 0.8021 | -0.0065 | -0.03005 | -0.02356 | -0.02107 |
| 0.80312 | -0.00637 | -0.02973 | -0.02336 | -0.02089 |
| 0.80414 | -0.00624 | -0.02941 | -0.02317 | -0.02071 |
| 0.80516 | -0.00611 | -0.02908 | -0.02297 | -0.02053 |
| 0.80618 | -0.00598 | -0.02876 | -0.02277 | -0.02034 |
| 0.8072 | -0.00586 | -0.02843 | -0.02257 | -0.02016 |
| 0.80822 | -0.00573 | -0.0281 | -0.02237 | -0.01997 |
| 0.80924 | -0.00561 | -0.02778 | -0.02217 | -0.01979 |
| 0.81026 | -0.00548 | -0.02745 | -0.02197 | -0.0196 |

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|---|---|---|---|---|
| 0.81128 | -0.00536 | -0.02712 | -0.02176 | -0.01941 |
| 0.8123 | -0.00524 | -0.0268 | -0.02156 | -0.01922 |
| 0.81332 | -0.00512 | -0.02647 | -0.02135 | -0.01903 |
| 0.81434 | -0.005 | -0.02614 | -0.02114 | -0.01884 |
| 0.81536 | -0.00488 | -0.02581 | -0.02093 | -0.01864 |
| 0.81638 | -0.00476 | -0.02548 | -0.02072 | -0.01845 |
| 0.8174 | -0.00464 | -0.02515 | -0.02051 | -0.01825 |
| 0.81842 | -0.00453 | -0.02482 | -0.02029 | -0.01806 |
| 0.81944 | -0.00441 | -0.02449 | -0.02008 | -0.01786 |
| 0.82046 | -0.0043 | -0.02416 | -0.01986 | -0.01766 |
| 0.82148 | -0.00418 | -0.02382 | -0.01964 | -0.01746 |
| 0.8225 | -0.00407 | -0.02349 | -0.01942 | -0.01725 |
| 0.82352 | -0.00396 | -0.02316 | -0.0192 | -0.01705 |
| 0.82454 | -0.00385 | -0.02282 | -0.01897 | -0.01684 |
| 0.82557 | -0.00374 | -0.02248 | -0.01874 | -0.01664 |
| 0.82659 | -0.00363 | -0.02215 | -0.01852 | -0.01643 |
| 0.82761 | -0.00352 | -0.02181 | -0.01829 | -0.01622 |
| 0.82863 | -0.00342 | -0.02147 | -0.01805 | -0.01601 |
| 0.82965 | -0.00331 | -0.02113 | -0.01782 | -0.01579 |
| 0.83067 | -0.00321 | -0.02079 | -0.01758 | -0.01558 |
| 0.83169 | -0.00311 | -0.02045 | -0.01734 | -0.01536 |
| 0.83271 | -0.00301 | -0.02011 | -0.0171 | -0.01514 |
| 0.83373 | -0.00291 | -0.01977 | -0.01686 | -0.01492 |
| 0.83475 | -0.00281 | -0.01942 | -0.01661 | -0.0147 |
| 0.83577 | -0.00271 | -0.01908 | -0.01637 | -0.01447 |
| 0.83679 | -0.00261 | -0.01873 | -0.01612 | -0.01425 |
| 0.83781 | -0.00252 | -0.01838 | -0.01586 | -0.01402 |
| 0.83883 | -0.00242 | -0.01803 | -0.01561 | -0.01379 |
| 0.83985 | -0.00233 | -0.01768 | -0.01535 | -0.01356 |
| 0.84087 | -0.00224 | -0.01733 | -0.01509 | -0.01332 |
| 0.84189 | -0.00215 | -0.01698 | -0.01483 | -0.01308 |
| 0.84291 | -0.00206 | -0.01662 | -0.01456 | -0.01284 |
| 0.84393 | -0.00198 | -0.01627 | -0.01429 | -0.0126 |
| 0.84495 | -0.00189 | -0.01591 | -0.01402 | -0.01236 |
| 0.84597 | -0.00181 | -0.01555 | -0.01375 | -0.01211 |
| 0.84699 | -0.00172 | -0.01519 | -0.01347 | -0.01186 |
| 0.84801 | -0.00164 | -0.01483 | -0.01319 | -0.01161 |
| 0.84903 | -0.00156 | -0.01447 | -0.0129 | -0.01136 |
| 0.85006 | -0.00149 | -0.0141 | -0.01262 | -0.0111 |
| 0.85108 | -0.00141 | -0.01373 | -0.01232 | -0.01084 |
| 0.8521 | -0.00133 | -0.01337 | -0.01203 | -0.01058 |
| 0.85312 | -0.00126 | -0.01299 | -0.01173 | -0.01031 |
| 0.85414 | -0.00119 | -0.01262 | -0.01143 | -0.01004 |
| 0.85516 | -0.00112 | -0.01225 | -0.01113 | -0.00977 |
| 0.85618 | -0.00105 | -0.01187 | -0.01082 | -0.0095 |
| 0.8572 | -9.86E-04 | -0.01149 | -0.01051 | -0.00922 |
| 0.85822 | -9.21E-04 | -0.01111 | -0.01019 | -0.00894 |
| 0.85924 | -8.58E-04 | -0.01073 | -0.00987 | -0.00866 |
| 0.86026 | -7.98E-04 | -0.01034 | -0.00955 | -0.00837 |
| 0.86128 | -7.39E-04 | -0.00996 | -0.00922 | -0.00808 |
| 0.8623 | -6.82E-04 | -0.00957 | -0.00889 | -0.00779 |
| 0.86332 | -6.27E-04 | -0.00918 | -0.00855 | -0.00749 |

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|---|---|---|---|---|
| 0.86434 | -5.74E-04 | -0.00878 | -0.00821 | -0.00719 |
| 0.86536 | -5.23E-04 | -0.00838 | -0.00786 | -0.00688 |
| 0.86638 | -4.74E-04 | -0.00798 | -0.00751 | -0.00657 |
| 0.8674 | -4.27E-04 | -0.00758 | -0.00716 | -0.00626 |
| 0.86842 | -3.83E-04 | -0.00718 | -0.0068 | -0.00594 |
| 0.86944 | -3.40E-04 | -0.00677 | -0.00643 | -0.00562 |
| 0.87046 | -3.00E-04 | -0.00636 | -0.00606 | -0.0053 |
| 0.87148 | -2.62E-04 | -0.00595 | -0.00569 | -0.00497 |
| 0.8725 | -2.27E-04 | -0.00553 | -0.00531 | -0.00463 |
| 0.87352 | -1.93E-04 | -0.00511 | -0.00492 | -0.0043 |
| 0.87454 | -1.63E-04 | -0.00469 | -0.00453 | -0.00395 |
| 0.87557 | -1.35E-04 | -0.00427 | -0.00413 | -0.00361 |
| 0.87659 | -1.09E-04 | -0.00384 | -0.00373 | -0.00326 |
| 0.87761 | -8.57E-05 | -0.00341 | -0.00332 | -0.0029 |
| 0.87863 | -6.53E-05 | -0.00298 | -0.00291 | -0.00254 |
| 0.87965 | -4.75E-05 | -0.00254 | -0.00249 | -0.00217 |
| 0.88067 | -3.24E-05 | -0.0021 | -0.00207 | -0.0018 |
| 0.88169 | -2.01E-05 | -0.00165 | -0.00163 | -0.00142 |
| 0.88271 | -1.07E-05 | -0.00121 | -0.0012 | -0.00104 |
| 0.88373 | -4.20E-06 | -7.57E-04 | -7.53E-04 | -6.56E-04 |
| 0.88475 | -6.72E-07 | -3.03E-04 | -3.02E-04 | -2.63E-04 |

FIG. 3c

| *CS* | *ϕP1* | *ΦO1* | *ΦS1* | *ϕP2* | *ΦO2* | *ΦS2* |
|---|---|---|---|---|---|---|
| 0.00924 | 1.12E-06 | 0.99995 | 4.43E-05 | 0.68388 | 0.00799 | 0.30814 |
| 0.01026 | 5.46E-08 | 0.99992 | 8.40E-05 | 0.66267 | 0.0069 | 0.33043 |
| 0.01128 | 2.87E-09 | 0.99985 | 1.48E-04 | 0.64304 | 0.00615 | 0.3508 |
| 0.0123 | 1.71E-10 | 0.99976 | 2.44E-04 | 0.62504 | 0.00563 | 0.36933 |
| 0.01332 | 1.18E-11 | 0.99962 | 3.79E-04 | 0.60865 | 0.00526 | 0.3861 |
| 0.01434 | 9.69E-13 | 0.99944 | 5.59E-04 | 0.59378 | 0.00499 | 0.40122 |
| 0.01536 | 9.54E-14 | 0.99921 | 7.85E-04 | 0.58036 | 0.0048 | 0.41484 |
| 0.01638 | 1.12E-14 | 0.99894 | 0.00106 | 0.56824 | 0.00467 | 0.42709 |
| 0.0174 | 1.57E-15 | 0.99862 | 0.00138 | 0.55728 | 0.00458 | 0.43814 |
| 0.01842 | 2.58E-16 | 0.99826 | 0.00174 | 0.54736 | 0.00452 | 0.44812 |
| 0.01944 | 4.89E-17 | 0.99785 | 0.00215 | 0.53834 | 0.00448 | 0.45718 |
| 0.02046 | 1.06E-17 | 0.99741 | 0.00259 | 0.53011 | 0.00445 | 0.46543 |
| 0.02148 | 2.59E-18 | 0.99693 | 0.00307 | 0.52257 | 0.00444 | 0.47299 |
| 0.0225 | 7.02E-19 | 0.99642 | 0.00358 | 0.51562 | 0.00444 | 0.47994 |
| 0.02352 | 2.10E-19 | 0.99589 | 0.00411 | 0.5092 | 0.00445 | 0.48635 |
| 0.02454 | 6.81E-20 | 0.99533 | 0.00467 | 0.50324 | 0.00446 | 0.4923 |
| 0.02557 | 2.39E-20 | 0.99474 | 0.00526 | 0.49768 | 0.00448 | 0.49784 |
| 0.02659 | 8.96E-21 | 0.99414 | 0.00586 | 0.49248 | 0.0045 | 0.50302 |
| 0.02761 | 3.57E-21 | 0.99351 | 0.00649 | 0.48759 | 0.00452 | 0.50788 |
| 0.02863 | 1.51E-21 | 0.99287 | 0.00713 | 0.483 | 0.00455 | 0.51245 |
| 0.02965 | 6.70E-22 | 0.99221 | 0.00779 | 0.47865 | 0.00458 | 0.51677 |
| 0.03067 | 3.11E-22 | 0.99154 | 0.00846 | 0.47453 | 0.00461 | 0.52085 |
| 0.03169 | 1.51E-22 | 0.99086 | 0.00914 | 0.47062 | 0.00465 | 0.52473 |
| 0.03271 | 7.60E-23 | 0.99016 | 0.00984 | 0.4669 | 0.00468 | 0.52842 |
| 0.03373 | 3.96E-23 | 0.98945 | 0.01055 | 0.46335 | 0.00471 | 0.53194 |
| 0.03475 | 2.14E-23 | 0.98873 | 0.01127 | 0.45995 | 0.00475 | 0.5353 |
| 0.03577 | 1.19E-23 | 0.988 | 0.012 | 0.4567 | 0.00479 | 0.53851 |
| 0.03679 | 6.77E-24 | 0.98727 | 0.01273 | 0.45358 | 0.00482 | 0.5416 |
| 0.03781 | 3.97E-24 | 0.98652 | 0.01348 | 0.45058 | 0.00486 | 0.54456 |

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|---|---|---|---|---|---|---|
| 0.03883 | 2.38E-24 | 0.98576 | 0.01424 | 0.44769 | 0.0049 | 0.54741 |
| 0.03985 | 1.46E-24 | 0.985 | 0.015 | 0.44491 | 0.00494 | 0.55016 |
| 0.04087 | 9.14E-25 | 0.98423 | 0.01577 | 0.44222 | 0.00498 | 0.5528 |
| 0.04189 | 5.84E-25 | 0.98346 | 0.01654 | 0.43962 | 0.00501 | 0.55536 |
| 0.04291 | 3.80E-25 | 0.98268 | 0.01732 | 0.43711 | 0.00505 | 0.55784 |
| 0.04393 | 2.52E-25 | 0.98189 | 0.01811 | 0.43467 | 0.00509 | 0.56023 |
| 0.04495 | 1.69E-25 | 0.9811 | 0.0189 | 0.43231 | 0.00513 | 0.56256 |
| 0.04597 | 1.16E-25 | 0.9803 | 0.0197 | 0.43002 | 0.00517 | 0.56481 |
| 0.04699 | 8.01E-26 | 0.9795 | 0.0205 | 0.42779 | 0.00521 | 0.567 |
| 0.04801 | 5.63E-26 | 0.97869 | 0.02131 | 0.42563 | 0.00525 | 0.56912 |
| 0.04903 | 4.01E-26 | 0.97787 | 0.02213 | 0.42352 | 0.00529 | 0.57119 |
| 0.05006 | 2.89E-26 | 0.97706 | 0.02294 | 0.42146 | 0.00533 | 0.5732 |
| 0.05108 | 2.11E-26 | 0.97624 | 0.02376 | 0.41946 | 0.00537 | 0.57517 |
| 0.0521 | 1.55E-26 | 0.97541 | 0.02459 | 0.41751 | 0.00541 | 0.57708 |
| 0.05312 | 1.16E-26 | 0.97458 | 0.02542 | 0.4156 | 0.00545 | 0.57895 |
| 0.05414 | 8.71E-27 | 0.97375 | 0.02625 | 0.41374 | 0.00549 | 0.58077 |
| 0.05516 | 6.62E-27 | 0.97292 | 0.02708 | 0.41192 | 0.00553 | 0.58255 |
| 0.05618 | 5.08E-27 | 0.97208 | 0.02792 | 0.41014 | 0.00557 | 0.58429 |
| 0.0572 | 3.93E-27 | 0.97123 | 0.02877 | 0.4084 | 0.00561 | 0.58599 |
| 0.05822 | 3.07E-27 | 0.97039 | 0.02961 | 0.4067 | 0.00565 | 0.58765 |
| 0.05924 | 2.41E-27 | 0.96954 | 0.03046 | 0.40503 | 0.00569 | 0.58928 |
| 0.06026 | 1.91E-27 | 0.96869 | 0.03131 | 0.40339 | 0.00573 | 0.59088 |
| 0.06128 | 1.53E-27 | 0.96784 | 0.03216 | 0.40179 | 0.00577 | 0.59244 |
| 0.0623 | 1.23E-27 | 0.96698 | 0.03302 | 0.40021 | 0.00581 | 0.59398 |
| 0.06332 | 9.97E-28 | 0.96612 | 0.03388 | 0.39867 | 0.00585 | 0.59548 |
| 0.06434 | 8.14E-28 | 0.96526 | 0.03474 | 0.39715 | 0.00589 | 0.59696 |
| 0.06536 | 6.68E-28 | 0.96439 | 0.03561 | 0.39566 | 0.00593 | 0.59841 |
| 0.06638 | 5.52E-28 | 0.96353 | 0.03647 | 0.3942 | 0.00597 | 0.59983 |
| 0.0674 | 4.58E-28 | 0.96266 | 0.03734 | 0.39276 | 0.00601 | 0.60123 |
| 0.06842 | 3.83E-28 | 0.96179 | 0.03821 | 0.39134 | 0.00605 | 0.60261 |
| 0.06944 | 3.22E-28 | 0.96092 | 0.03908 | 0.38995 | 0.00609 | 0.60396 |
| 0.07046 | 2.72E-28 | 0.96004 | 0.03996 | 0.38859 | 0.00613 | 0.60528 |
| 0.07148 | 2.31E-28 | 0.95917 | 0.04083 | 0.38724 | 0.00617 | 0.60659 |
| 0.0725 | 1.97E-28 | 0.95829 | 0.04171 | 0.38591 | 0.00621 | 0.60788 |
| 0.07352 | 1.69E-28 | 0.95741 | 0.04259 | 0.38461 | 0.00625 | 0.60914 |
| 0.07454 | 1.46E-28 | 0.95653 | 0.04347 | 0.38332 | 0.00629 | 0.61039 |
| 0.07557 | 1.26E-28 | 0.95564 | 0.04436 | 0.38205 | 0.00633 | 0.61162 |
| 0.07659 | 1.10E-28 | 0.95476 | 0.04524 | 0.3808 | 0.00637 | 0.61283 |
| 0.07659 | 1.10E-28 | 0.95476 | 0.04524 | 0.3808 | 0.00637 | 0.61283 |
| 0.07761 | 9.56E-29 | 0.95387 | 0.04613 | 0.37957 | 0.00641 | 0.61402 |
| 0.07863 | 8.38E-29 | 0.95298 | 0.04702 | 0.37836 | 0.00645 | 0.61519 |
| 0.07965 | 7.38E-29 | 0.95209 | 0.04791 | 0.37716 | 0.00649 | 0.61635 |
| 0.08067 | 6.52E-29 | 0.9512 | 0.0488 | 0.37598 | 0.00653 | 0.61749 |
| 0.08169 | 5.78E-29 | 0.9503 | 0.0497 | 0.37481 | 0.00657 | 0.61862 |
| 0.08271 | 5.15E-29 | 0.94941 | 0.05059 | 0.37366 | 0.00661 | 0.61973 |
| 0.08373 | 4.60E-29 | 0.94851 | 0.05149 | 0.37252 | 0.00665 | 0.62083 |
| 0.08475 | 4.13E-29 | 0.94762 | 0.05238 | 0.3714 | 0.00669 | 0.62191 |
| 0.08577 | 3.71E-29 | 0.94672 | 0.05328 | 0.37029 | 0.00673 | 0.62298 |
| 0.08679 | 3.35E-29 | 0.94582 | 0.05418 | 0.3692 | 0.00677 | 0.62404 |
| 0.08781 | 3.04E-29 | 0.94491 | 0.05509 | 0.36812 | 0.00681 | 0.62508 |
| 0.08883 | 2.76E-29 | 0.94401 | 0.05599 | 0.36705 | 0.00685 | 0.62611 |
| 0.08985 | 2.51E-29 | 0.94311 | 0.05689 | 0.36599 | 0.00689 | 0.62713 |

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|---|---|---|---|---|---|---|
| 0.09087 | 2.30E-29 | 0.9422 | 0.0578 | 0.36494 | 0.00692 | 0.62813 |
| 0.09189 | 2.11E-29 | 0.9413 | 0.0587 | 0.36391 | 0.00696 | 0.62912 |
| 0.09291 | 1.94E-29 | 0.94039 | 0.05961 | 0.36289 | 0.007 | 0.63011 |
| 0.09393 | 1.78E-29 | 0.93948 | 0.06052 | 0.36188 | 0.00704 | 0.63108 |
| 0.09495 | 1.65E-29 | 0.93857 | 0.06143 | 0.36088 | 0.00708 | 0.63204 |
| 0.09597 | 1.53E-29 | 0.93766 | 0.06234 | 0.35989 | 0.00712 | 0.63299 |
| 0.09699 | 1.42E-29 | 0.93675 | 0.06325 | 0.35891 | 0.00716 | 0.63392 |
| 0.09801 | 1.32E-29 | 0.93583 | 0.06417 | 0.35794 | 0.0072 | 0.63485 |
| 0.09903 | 1.24E-29 | 0.93492 | 0.06508 | 0.35699 | 0.00724 | 0.63577 |
| 0.10006 | 1.16E-29 | 0.934 | 0.066 | 0.35604 | 0.00728 | 0.63668 |
| 0.10108 | 1.09E-29 | 0.93309 | 0.06691 | 0.3551 | 0.00732 | 0.63758 |
| 0.1021 | 1.02E-29 | 0.93217 | 0.06783 | 0.35417 | 0.00736 | 0.63847 |
| 0.10312 | 9.63E-30 | 0.93125 | 0.06875 | 0.35325 | 0.0074 | 0.63935 |
| 0.10414 | 9.10E-30 | 0.93033 | 0.06967 | 0.35233 | 0.00744 | 0.64023 |
| 0.10516 | 8.61E-30 | 0.92941 | 0.07059 | 0.35143 | 0.00748 | 0.64109 |
| 0.10618 | 8.17E-30 | 0.92849 | 0.07151 | 0.35053 | 0.00752 | 0.64195 |
| 0.1072 | 7.77E-30 | 0.92757 | 0.07243 | 0.34965 | 0.00756 | 0.64279 |
| 0.10822 | 7.40E-30 | 0.92665 | 0.07335 | 0.34877 | 0.0076 | 0.64363 |
| 0.10924 | 7.07E-30 | 0.92573 | 0.07427 | 0.34789 | 0.00764 | 0.64447 |
| 0.11026 | 6.76E-30 | 0.9248 | 0.0752 | 0.34703 | 0.00768 | 0.64529 |
| 0.11128 | 6.48E-30 | 0.92388 | 0.07612 | 0.34617 | 0.00772 | 0.64611 |
| 0.1123 | 6.22E-30 | 0.92295 | 0.07705 | 0.34532 | 0.00776 | 0.64692 |
| 0.11332 | 5.98E-30 | 0.92202 | 0.07798 | 0.34448 | 0.0078 | 0.64772 |
| 0.11434 | 5.77E-30 | 0.9211 | 0.0789 | 0.34365 | 0.00784 | 0.64851 |
| 0.11536 | 5.57E-30 | 0.92017 | 0.07983 | 0.34282 | 0.00788 | 0.6493 |
| 0.11638 | 5.38E-30 | 0.91924 | 0.08076 | 0.342 | 0.00792 | 0.65008 |
| 0.1174 | 5.22E-30 | 0.91831 | 0.08169 | 0.34118 | 0.00796 | 0.65086 |
| 0.11842 | 5.06E-30 | 0.91738 | 0.08262 | 0.34038 | 0.008 | 0.65163 |
| 0.11944 | 4.92E-30 | 0.91645 | 0.08355 | 0.33957 | 0.00804 | 0.65239 |
| 0.12046 | 4.79E-30 | 0.91552 | 0.08448 | 0.33878 | 0.00808 | 0.65314 |
| 0.12148 | 4.67E-30 | 0.91458 | 0.08542 | 0.33799 | 0.00812 | 0.65389 |
| 0.1225 | 4.56E-30 | 0.91365 | 0.08635 | 0.33721 | 0.00816 | 0.65464 |
| 0.12352 | 4.46E-30 | 0.91272 | 0.08728 | 0.33643 | 0.0082 | 0.65537 |
| 0.12454 | 4.37E-30 | 0.91178 | 0.08822 | 0.33566 | 0.00824 | 0.6561 |
| 0.12557 | 4.29E-30 | 0.91085 | 0.08915 | 0.33489 | 0.00828 | 0.65683 |
| 0.12659 | 4.21E-30 | 0.90991 | 0.09009 | 0.33413 | 0.00832 | 0.65755 |
| 0.12761 | 4.14E-30 | 0.90898 | 0.09102 | 0.33338 | 0.00836 | 0.65827 |
| 0.12863 | 4.08E-30 | 0.90804 | 0.09196 | 0.33263 | 0.0084 | 0.65897 |
| 0.12965 | 4.03E-30 | 0.9071 | 0.0929 | 0.33188 | 0.00844 | 0.65968 |
| 0.13067 | 3.98E-30 | 0.90616 | 0.09384 | 0.33114 | 0.00848 | 0.66038 |
| 0.13169 | 3.93E-30 | 0.90522 | 0.09478 | 0.33041 | 0.00852 | 0.66107 |
| 0.13271 | 3.90E-30 | 0.90428 | 0.09572 | 0.32968 | 0.00856 | 0.66176 |
| 0.13373 | 3.87E-30 | 0.90334 | 0.09666 | 0.32896 | 0.0086 | 0.66244 |
| 0.13475 | 3.84E-30 | 0.9024 | 0.0976 | 0.32824 | 0.00864 | 0.66312 |
| 0.13577 | 3.82E-30 | 0.90146 | 0.09854 | 0.32752 | 0.00868 | 0.66379 |
| 0.13679 | 3.80E-30 | 0.90052 | 0.09948 | 0.32682 | 0.00872 | 0.66446 |
| 0.13781 | 3.79E-30 | 0.89958 | 0.10042 | 0.32611 | 0.00876 | 0.66513 |
| 0.13883 | 3.78E-30 | 0.89864 | 0.10136 | 0.32541 | 0.0088 | 0.66579 |
| 0.13985 | 3.78E-30 | 0.89769 | 0.10231 | 0.32471 | 0.00884 | 0.66644 |
| 0.14087 | 3.78E-30 | 0.89675 | 0.10325 | 0.32402 | 0.00888 | 0.66709 |
| 0.14189 | 3.78E-30 | 0.8958 | 0.1042 | 0.32334 | 0.00892 | 0.66774 |
| 0.14291 | 3.79E-30 | 0.89486 | 0.10514 | 0.32265 | 0.00896 | 0.66838 |

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|---|---|---|---|---|---|---|
| 0.14393 | 3.81E-30 | 0.89391 | 0.10609 | 0.32197 | 0.009 | 0.66902 |
| 0.14495 | 3.82E-30 | 0.89297 | 0.10703 | 0.3213 | 0.00904 | 0.66965 |
| 0.14597 | 3.85E-30 | 0.89202 | 0.10798 | 0.32063 | 0.00909 | 0.67028 |
| 0.14699 | 3.87E-30 | 0.89107 | 0.10893 | 0.31996 | 0.00913 | 0.67091 |
| 0.14801 | 3.90E-30 | 0.89013 | 0.10987 | 0.3193 | 0.00917 | 0.67153 |
| 0.14903 | 3.94E-30 | 0.88918 | 0.11082 | 0.31864 | 0.00921 | 0.67215 |
| 0.15006 | 3.98E-30 | 0.88823 | 0.11177 | 0.31799 | 0.00925 | 0.67276 |
| 0.15108 | 4.02E-30 | 0.88728 | 0.11272 | 0.31734 | 0.00929 | 0.67337 |
| 0.1521 | 4.07E-30 | 0.88633 | 0.11367 | 0.31669 | 0.00933 | 0.67398 |
| 0.15312 | 4.12E-30 | 0.88538 | 0.11462 | 0.31605 | 0.00937 | 0.67458 |
| 0.15414 | 4.18E-30 | 0.88443 | 0.11557 | 0.31541 | 0.00941 | 0.67518 |
| 0.15516 | 4.24E-30 | 0.88348 | 0.11652 | 0.31477 | 0.00945 | 0.67578 |
| 0.15618 | 4.31E-30 | 0.88253 | 0.11747 | 0.31414 | 0.00949 | 0.67637 |
| 0.1572 | 4.38E-30 | 0.88158 | 0.11842 | 0.31351 | 0.00953 | 0.67696 |
| 0.15822 | 4.46E-30 | 0.88063 | 0.11937 | 0.31288 | 0.00958 | 0.67754 |
| 0.15924 | 4.55E-30 | 0.87967 | 0.12033 | 0.31226 | 0.00962 | 0.67813 |
| 0.16026 | 4.63E-30 | 0.87872 | 0.12128 | 0.31164 | 0.00966 | 0.6787 |
| 0.16128 | 4.73E-30 | 0.87777 | 0.12223 | 0.31102 | 0.0097 | 0.67928 |
| 0.1623 | 4.83E-30 | 0.87681 | 0.12319 | 0.31041 | 0.00974 | 0.67985 |
| 0.16332 | 4.94E-30 | 0.87586 | 0.12414 | 0.3098 | 0.00978 | 0.68042 |
| 0.16434 | 5.05E-30 | 0.8749 | 0.1251 | 0.30919 | 0.00982 | 0.68099 |
| 0.16536 | 5.17E-30 | 0.87395 | 0.12605 | 0.30859 | 0.00986 | 0.68155 |
| 0.16638 | 5.30E-30 | 0.87299 | 0.12701 | 0.30799 | 0.00991 | 0.68211 |
| 0.1674 | 5.44E-30 | 0.87204 | 0.12796 | 0.30739 | 0.00995 | 0.68266 |
| 0.16842 | 5.58E-30 | 0.87108 | 0.12892 | 0.30679 | 0.00999 | 0.68322 |
| 0.16944 | 5.73E-30 | 0.87012 | 0.12988 | 0.3062 | 0.01003 | 0.68377 |
| 0.17046 | 5.89E-30 | 0.86917 | 0.13083 | 0.30561 | 0.01007 | 0.68431 |
| 0.17148 | 6.06E-30 | 0.86821 | 0.13179 | 0.30503 | 0.01011 | 0.68486 |
| 0.1725 | 6.24E-30 | 0.86725 | 0.13275 | 0.30444 | 0.01016 | 0.6854 |
| 0.17352 | 6.43E-30 | 0.86629 | 0.13371 | 0.30386 | 0.0102 | 0.68594 |
| 0.17454 | 6.63E-30 | 0.86533 | 0.13467 | 0.30328 | 0.01024 | 0.68648 |
| 0.17557 | 6.84E-30 | 0.86438 | 0.13562 | 0.30271 | 0.01028 | 0.68701 |
| 0.17659 | 7.06E-30 | 0.86342 | 0.13658 | 0.30214 | 0.01032 | 0.68754 |
| 0.17761 | 7.30E-30 | 0.86246 | 0.13754 | 0.30157 | 0.01036 | 0.68807 |
| 0.17863 | 7.55E-30 | 0.8615 | 0.1385 | 0.301 | 0.01041 | 0.68859 |
| 0.17965 | 7.81E-30 | 0.86054 | 0.13946 | 0.30043 | 0.01045 | 0.68912 |
| 0.18067 | 8.08E-30 | 0.85958 | 0.14042 | 0.29987 | 0.01049 | 0.68964 |
| 0.18169 | 8.38E-30 | 0.85861 | 0.14139 | 0.29931 | 0.01053 | 0.69015 |
| 0.18271 | 8.69E-30 | 0.85765 | 0.14235 | 0.29875 | 0.01058 | 0.69067 |
| 0.18373 | 9.01E-30 | 0.85669 | 0.14331 | 0.2982 | 0.01062 | 0.69118 |
| 0.18475 | 9.36E-30 | 0.85573 | 0.14427 | 0.29765 | 0.01066 | 0.69169 |
| 0.18577 | 9.72E-30 | 0.85477 | 0.14523 | 0.2971 | 0.0107 | 0.6922 |
| 0.18679 | 1.01E-29 | 0.8538 | 0.1462 | 0.29655 | 0.01074 | 0.69271 |
| 0.18781 | 1.05E-29 | 0.85284 | 0.14716 | 0.296 | 0.01079 | 0.69321 |
| 0.18883 | 1.09E-29 | 0.85188 | 0.14812 | 0.29546 | 0.01083 | 0.69371 |
| 0.18985 | 1.14E-29 | 0.85091 | 0.14909 | 0.29492 | 0.01087 | 0.69421 |
| 0.19087 | 1.19E-29 | 0.84995 | 0.15005 | 0.29438 | 0.01091 | 0.69471 |
| 0.19189 | 1.24E-29 | 0.84898 | 0.15102 | 0.29384 | 0.01096 | 0.6952 |
| 0.19291 | 1.29E-29 | 0.84802 | 0.15198 | 0.29331 | 0.011 | 0.69569 |
| 0.19393 | 1.35E-29 | 0.84706 | 0.15294 | 0.29278 | 0.01104 | 0.69618 |
| 0.19495 | 1.41E-29 | 0.84609 | 0.15391 | 0.29225 | 0.01109 | 0.69667 |
| 0.19597 | 1.47E-29 | 0.84512 | 0.15488 | 0.29172 | 0.01113 | 0.69715 |

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| 0.19699 | 1.54E-29 | 0.84416 | 0.15584 | 0.29119 | 0.01117 | 0.69764 |
| 0.19801 | 1.61E-29 | 0.84319 | 0.15681 | 0.29067 | 0.01121 | 0.69812 |
| 0.19903 | 1.69E-29 | 0.84222 | 0.15778 | 0.29015 | 0.01126 | 0.6986 |
| 0.20006 | 1.77E-29 | 0.84126 | 0.15874 | 0.28963 | 0.0113 | 0.69907 |
| 0.20108 | 1.85E-29 | 0.84029 | 0.15971 | 0.28911 | 0.01134 | 0.69955 |
| 0.2021 | 1.94E-29 | 0.83932 | 0.16068 | 0.28859 | 0.01139 | 0.70002 |
| 0.20312 | 2.04E-29 | 0.83836 | 0.16164 | 0.28808 | 0.01143 | 0.70049 |
| 0.20414 | 2.14E-29 | 0.83739 | 0.16261 | 0.28757 | 0.01147 | 0.70096 |
| 0.20516 | 2.25E-29 | 0.83642 | 0.16358 | 0.28706 | 0.01152 | 0.70143 |
| 0.20618 | 2.37E-29 | 0.83545 | 0.16455 | 0.28655 | 0.01156 | 0.70189 |
| 0.2072 | 2.49E-29 | 0.83448 | 0.16552 | 0.28604 | 0.0116 | 0.70235 |
| 0.20822 | 2.62E-29 | 0.83351 | 0.16649 | 0.28554 | 0.01165 | 0.70281 |
| 0.20924 | 2.76E-29 | 0.83254 | 0.16746 | 0.28504 | 0.01169 | 0.70327 |
| 0.21026 | 2.90E-29 | 0.83157 | 0.16843 | 0.28453 | 0.01173 | 0.70373 |
| 0.21128 | 3.06E-29 | 0.8306 | 0.1694 | 0.28404 | 0.01178 | 0.70419 |
| 0.2123 | 3.22E-29 | 0.82963 | 0.17037 | 0.28354 | 0.01182 | 0.70464 |
| 0.21332 | 3.40E-29 | 0.82866 | 0.17134 | 0.28304 | 0.01187 | 0.70509 |
| 0.21434 | 3.59E-29 | 0.82769 | 0.17231 | 0.28255 | 0.01191 | 0.70554 |
| 0.21536 | 3.79E-29 | 0.82672 | 0.17328 | 0.28206 | 0.01195 | 0.70599 |
| 0.21638 | 4.00E-29 | 0.82575 | 0.17425 | 0.28156 | 0.012 | 0.70644 |
| 0.2174 | 4.23E-29 | 0.82478 | 0.17522 | 0.28108 | 0.01204 | 0.70688 |
| 0.21842 | 4.47E-29 | 0.8238 | 0.1762 | 0.28059 | 0.01209 | 0.70733 |
| 0.21944 | 4.73E-29 | 0.82283 | 0.17717 | 0.2801 | 0.01213 | 0.70777 |
| 0.22046 | 5.00E-29 | 0.82186 | 0.17814 | 0.27962 | 0.01217 | 0.70821 |
| 0.22148 | 5.29E-29 | 0.82089 | 0.17911 | 0.27914 | 0.01222 | 0.70864 |
| 0.2225 | 5.61E-29 | 0.81991 | 0.18009 | 0.27866 | 0.01226 | 0.70908 |
| 0.22352 | 5.94E-29 | 0.81894 | 0.18106 | 0.27818 | 0.01231 | 0.70952 |
| 0.22454 | 6.30E-29 | 0.81797 | 0.18203 | 0.2777 | 0.01235 | 0.70995 |
| 0.22557 | 6.68E-29 | 0.81699 | 0.18301 | 0.27722 | 0.0124 | 0.71038 |
| 0.22659 | 7.09E-29 | 0.81602 | 0.18398 | 0.27675 | 0.01244 | 0.71081 |
| 0.22761 | 7.52E-29 | 0.81504 | 0.18496 | 0.27627 | 0.01249 | 0.71124 |
| 0.22863 | 7.99E-29 | 0.81407 | 0.18593 | 0.2758 | 0.01253 | 0.71167 |
| 0.22965 | 8.48E-29 | 0.8131 | 0.1869 | 0.27533 | 0.01258 | 0.71209 |
| 0.23067 | 9.02E-29 | 0.81212 | 0.18788 | 0.27486 | 0.01262 | 0.71252 |
| 0.23169 | 9.58E-29 | 0.81115 | 0.18885 | 0.2744 | 0.01267 | 0.71294 |
| 0.23271 | 1.02E-28 | 0.81017 | 0.18983 | 0.27393 | 0.01271 | 0.71336 |
| 0.23373 | 1.08E-28 | 0.80919 | 0.19081 | 0.27347 | 0.01276 | 0.71378 |
| 0.23475 | 1.15E-28 | 0.80822 | 0.19178 | 0.273 | 0.0128 | 0.7142 |
| 0.23577 | 1.23E-28 | 0.80724 | 0.19276 | 0.27254 | 0.01285 | 0.71461 |
| 0.23679 | 1.31E-28 | 0.80627 | 0.19373 | 0.27208 | 0.01289 | 0.71503 |
| 0.23781 | 1.40E-28 | 0.80529 | 0.19471 | 0.27162 | 0.01294 | 0.71544 |
| 0.23883 | 1.49E-28 | 0.80431 | 0.19569 | 0.27116 | 0.01298 | 0.71585 |
| 0.23985 | 1.59E-28 | 0.80333 | 0.19667 | 0.27071 | 0.01303 | 0.71626 |
| 0.24087 | 1.69E-28 | 0.80236 | 0.19764 | 0.27025 | 0.01307 | 0.71667 |
| 0.24189 | 1.81E-28 | 0.80138 | 0.19862 | 0.2698 | 0.01312 | 0.71708 |
| 0.24291 | 1.93E-28 | 0.8004 | 0.1996 | 0.26934 | 0.01317 | 0.71749 |
| 0.24393 | 2.06E-28 | 0.79942 | 0.20058 | 0.26889 | 0.01321 | 0.71789 |
| 0.24495 | 2.20E-28 | 0.79845 | 0.20155 | 0.26844 | 0.01326 | 0.7183 |
| 0.24597 | 2.35E-28 | 0.79747 | 0.20253 | 0.268 | 0.0133 | 0.7187 |
| 0.24699 | 2.52E-28 | 0.79649 | 0.20351 | 0.26755 | 0.01335 | 0.7191 |
| 0.24801 | 2.69E-28 | 0.79551 | 0.20449 | 0.2671 | 0.0134 | 0.7195 |
| 0.24903 | 2.88E-28 | 0.79453 | 0.20547 | 0.26666 | 0.01344 | 0.7199 |

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|---|---|---|---|---|---|---|
| 0.25006 | 3.08E-28 | 0.79355 | 0.20645 | 0.26621 | 0.01349 | 0.7203 |
| 0.25108 | 3.30E-28 | 0.79257 | 0.20743 | 0.26577 | 0.01354 | 0.72069 |
| 0.2521 | 3.53E-28 | 0.79159 | 0.20841 | 0.26533 | 0.01358 | 0.72109 |
| 0.25312 | 3.79E-28 | 0.79061 | 0.20939 | 0.26489 | 0.01363 | 0.72148 |
| 0.25414 | 4.06E-28 | 0.78963 | 0.21037 | 0.26445 | 0.01368 | 0.72188 |
| 0.25516 | 4.35E-28 | 0.78865 | 0.21135 | 0.26401 | 0.01372 | 0.72227 |
| 0.25618 | 4.67E-28 | 0.78767 | 0.21233 | 0.26357 | 0.01377 | 0.72266 |
| 0.2572 | 5.01E-28 | 0.78669 | 0.21331 | 0.26314 | 0.01382 | 0.72305 |
| 0.25822 | 5.37E-28 | 0.78571 | 0.21429 | 0.2627 | 0.01386 | 0.72343 |
| 0.25924 | 5.77E-28 | 0.78473 | 0.21527 | 0.26227 | 0.01391 | 0.72382 |
| 0.26026 | 6.20E-28 | 0.78374 | 0.21626 | 0.26184 | 0.01396 | 0.72421 |
| 0.26128 | 6.65E-28 | 0.78276 | 0.21724 | 0.26141 | 0.014 | 0.72459 |
| 0.2623 | 7.15E-28 | 0.78178 | 0.21822 | 0.26098 | 0.01405 | 0.72497 |
| 0.26332 | 7.69E-28 | 0.7808 | 0.2192 | 0.26055 | 0.0141 | 0.72535 |
| 0.26434 | 8.27E-28 | 0.77982 | 0.22018 | 0.26012 | 0.01415 | 0.72574 |
| 0.26536 | 8.89E-28 | 0.77883 | 0.22117 | 0.25969 | 0.01419 | 0.72611 |
| 0.26638 | 9.56E-28 | 0.77785 | 0.22215 | 0.25927 | 0.01424 | 0.72649 |
| 0.2674 | 1.03E-27 | 0.77687 | 0.22313 | 0.25884 | 0.01429 | 0.72687 |
| 0.26842 | 1.11E-27 | 0.77589 | 0.22411 | 0.25842 | 0.01434 | 0.72725 |
| 0.26944 | 1.19E-27 | 0.7749 | 0.2251 | 0.25799 | 0.01438 | 0.72762 |
| 0.27046 | 1.29E-27 | 0.77392 | 0.22608 | 0.25757 | 0.01443 | 0.728 |
| 0.27148 | 1.38E-27 | 0.77293 | 0.22707 | 0.25715 | 0.01448 | 0.72837 |
| 0.2725 | 1.49E-27 | 0.77195 | 0.22805 | 0.25673 | 0.01453 | 0.72874 |
| 0.27352 | 1.61E-27 | 0.77097 | 0.22903 | 0.25631 | 0.01458 | 0.72911 |
| 0.27454 | 1.74E-27 | 0.76998 | 0.23002 | 0.25589 | 0.01462 | 0.72948 |
| 0.27557 | 1.87E-27 | 0.769 | 0.231 | 0.25548 | 0.01467 | 0.72985 |
| 0.27659 | 2.02E-27 | 0.76801 | 0.23199 | 0.25506 | 0.01472 | 0.73022 |
| 0.27761 | 2.18E-27 | 0.76703 | 0.23297 | 0.25465 | 0.01477 | 0.73058 |
| 0.27863 | 2.35E-27 | 0.76604 | 0.23396 | 0.25423 | 0.01482 | 0.73095 |
| 0.27965 | 2.54E-27 | 0.76506 | 0.23494 | 0.25382 | 0.01487 | 0.73132 |
| 0.28067 | 2.74E-27 | 0.76407 | 0.23593 | 0.25341 | 0.01491 | 0.73168 |
| 0.28169 | 2.97E-27 | 0.76309 | 0.23691 | 0.25299 | 0.01496 | 0.73204 |
| 0.28271 | 3.21E-27 | 0.7621 | 0.2379 | 0.25258 | 0.01501 | 0.7324 |
| 0.28373 | 3.46E-27 | 0.76112 | 0.23888 | 0.25217 | 0.01506 | 0.73276 |
| 0.28475 | 3.75E-27 | 0.76013 | 0.23987 | 0.25177 | 0.01511 | 0.73312 |
| 0.28577 | 4.05E-27 | 0.75914 | 0.24086 | 0.25136 | 0.01516 | 0.73348 |
| 0.28679 | 4.38E-27 | 0.75816 | 0.24184 | 0.25095 | 0.01521 | 0.73384 |
| 0.28781 | 4.74E-27 | 0.75717 | 0.24283 | 0.25054 | 0.01526 | 0.7342 |
| 0.28883 | 5.14E-27 | 0.75618 | 0.24382 | 0.25014 | 0.01531 | 0.73455 |
| 0.28985 | 5.56E-27 | 0.7552 | 0.2448 | 0.24973 | 0.01536 | 0.73491 |
| 0.29087 | 6.02E-27 | 0.75421 | 0.24579 | 0.24933 | 0.01541 | 0.73526 |
| 0.29189 | 6.52E-27 | 0.75322 | 0.24678 | 0.24893 | 0.01546 | 0.73562 |
| 0.29291 | 7.07E-27 | 0.75223 | 0.24777 | 0.24853 | 0.01551 | 0.73597 |
| 0.29393 | 7.66E-27 | 0.75125 | 0.24875 | 0.24812 | 0.01556 | 0.73632 |
| 0.29495 | 8.30E-27 | 0.75026 | 0.24974 | 0.24772 | 0.01561 | 0.73667 |
| 0.29597 | 9.00E-27 | 0.74927 | 0.25073 | 0.24732 | 0.01566 | 0.73702 |
| 0.29699 | 9.76E-27 | 0.74828 | 0.25172 | 0.24693 | 0.01571 | 0.73737 |
| 0.29801 | 1.06E-26 | 0.74729 | 0.25271 | 0.24653 | 0.01576 | 0.73772 |
| 0.29903 | 1.15E-26 | 0.7463 | 0.2537 | 0.24613 | 0.01581 | 0.73806 |
| 0.30006 | 1.25E-26 | 0.74532 | 0.25468 | 0.24573 | 0.01586 | 0.73841 |
| 0.30108 | 1.35E-26 | 0.74433 | 0.25567 | 0.24534 | 0.01591 | 0.73875 |
| 0.3021 | 1.47E-26 | 0.74334 | 0.25666 | 0.24494 | 0.01596 | 0.7391 |

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|---|---|---|---|---|---|---|
| 0.30312 | 1.60E-26 | 0.74235 | 0.25765 | 0.24455 | 0.01601 | 0.73944 |
| 0.30414 | 1.73E-26 | 0.74136 | 0.25864 | 0.24416 | 0.01606 | 0.73979 |
| 0.30516 | 1.88E-26 | 0.74037 | 0.25963 | 0.24376 | 0.01611 | 0.74013 |
| 0.30618 | 2.05E-26 | 0.73938 | 0.26062 | 0.24337 | 0.01616 | 0.74047 |
| 0.3072 | 2.23E-26 | 0.73839 | 0.26161 | 0.24298 | 0.01621 | 0.74081 |
| 0.30822 | 2.42E-26 | 0.7374 | 0.2626 | 0.24259 | 0.01626 | 0.74115 |
| 0.30924 | 2.63E-26 | 0.73641 | 0.26359 | 0.2422 | 0.01631 | 0.74149 |
| 0.31026 | 2.86E-26 | 0.73542 | 0.26458 | 0.24181 | 0.01637 | 0.74182 |
| 0.31128 | 3.11E-26 | 0.73443 | 0.26557 | 0.24142 | 0.01642 | 0.74216 |
| 0.3123 | 3.39E-26 | 0.73344 | 0.26656 | 0.24103 | 0.01647 | 0.7425 |
| 0.31332 | 3.69E-26 | 0.73245 | 0.26755 | 0.24065 | 0.01652 | 0.74283 |
| 0.31434 | 4.01E-26 | 0.73145 | 0.26855 | 0.24026 | 0.01657 | 0.74317 |
| 0.31536 | 4.37E-26 | 0.73046 | 0.26954 | 0.23988 | 0.01662 | 0.7435 |
| 0.31638 | 4.76E-26 | 0.72947 | 0.27053 | 0.23949 | 0.01668 | 0.74383 |
| 0.3174 | 5.19E-26 | 0.72848 | 0.27152 | 0.23911 | 0.01673 | 0.74417 |
| 0.31842 | 5.65E-26 | 0.72749 | 0.27251 | 0.23872 | 0.01678 | 0.7445 |
| 0.31944 | 6.16E-26 | 0.7265 | 0.2735 | 0.23834 | 0.01683 | 0.74483 |
| 0.32046 | 6.71E-26 | 0.7255 | 0.2745 | 0.23796 | 0.01688 | 0.74516 |
| 0.32148 | 7.31E-26 | 0.72451 | 0.27549 | 0.23758 | 0.01694 | 0.74549 |
| 0.3225 | 7.98E-26 | 0.72352 | 0.27648 | 0.23719 | 0.01699 | 0.74582 |
| 0.32352 | 8.70E-26 | 0.72253 | 0.27747 | 0.23681 | 0.01704 | 0.74614 |
| 0.32454 | 9.49E-26 | 0.72153 | 0.27847 | 0.23643 | 0.01709 | 0.74647 |
| 0.32557 | 1.04E-25 | 0.72054 | 0.27946 | 0.23605 | 0.01715 | 0.7468 |
| 0.32659 | 1.13E-25 | 0.71955 | 0.28045 | 0.23568 | 0.0172 | 0.74712 |
| 0.32761 | 1.23E-25 | 0.71856 | 0.28144 | 0.2353 | 0.01725 | 0.74745 |
| 0.32863 | 1.35E-25 | 0.71756 | 0.28244 | 0.23492 | 0.01731 | 0.74777 |
| 0.32965 | 1.47E-25 | 0.71657 | 0.28343 | 0.23454 | 0.01736 | 0.7481 |
| 0.33067 | 1.60E-25 | 0.71558 | 0.28442 | 0.23417 | 0.01741 | 0.74842 |
| 0.33169 | 1.75E-25 | 0.71458 | 0.28542 | 0.23379 | 0.01747 | 0.74874 |
| 0.33271 | 1.91E-25 | 0.71359 | 0.28641 | 0.23342 | 0.01752 | 0.74906 |
| 0.33373 | 2.09E-25 | 0.71259 | 0.28741 | 0.23304 | 0.01757 | 0.74938 |
| 0.33475 | 2.29E-25 | 0.7116 | 0.2884 | 0.23267 | 0.01763 | 0.7497 |
| 0.33577 | 2.50E-25 | 0.7106 | 0.2894 | 0.2323 | 0.01768 | 0.75002 |
| 0.33679 | 2.73E-25 | 0.70961 | 0.29039 | 0.23192 | 0.01774 | 0.75034 |
| 0.33781 | 2.99E-25 | 0.70862 | 0.29138 | 0.23155 | 0.01779 | 0.75066 |
| 0.33883 | 3.27E-25 | 0.70762 | 0.29238 | 0.23118 | 0.01784 | 0.75098 |
| 0.33985 | 3.57E-25 | 0.70663 | 0.29337 | 0.23081 | 0.0179 | 0.75129 |
| 0.34087 | 3.91E-25 | 0.70563 | 0.29437 | 0.23044 | 0.01795 | 0.75161 |
| 0.34189 | 4.27E-25 | 0.70463 | 0.29537 | 0.23007 | 0.01801 | 0.75192 |
| 0.34291 | 4.68E-25 | 0.70364 | 0.29636 | 0.2297 | 0.01806 | 0.75224 |
| 0.34393 | 5.12E-25 | 0.70264 | 0.29736 | 0.22933 | 0.01812 | 0.75255 |
| 0.34495 | 5.60E-25 | 0.70165 | 0.29835 | 0.22896 | 0.01817 | 0.75287 |
| 0.34597 | 6.14E-25 | 0.70065 | 0.29935 | 0.22859 | 0.01823 | 0.75318 |
| 0.34699 | 6.72E-25 | 0.69966 | 0.30034 | 0.22823 | 0.01828 | 0.75349 |
| 0.34801 | 7.36E-25 | 0.69866 | 0.30134 | 0.22786 | 0.01834 | 0.7538 |
| 0.34903 | 8.06E-25 | 0.69766 | 0.30234 | 0.22749 | 0.01839 | 0.75411 |
| 0.35006 | 8.83E-25 | 0.69667 | 0.30333 | 0.22713 | 0.01845 | 0.75443 |
| 0.35108 | 9.68E-25 | 0.69567 | 0.30433 | 0.22676 | 0.0185 | 0.75473 |
| 0.3521 | 1.06E-24 | 0.69467 | 0.30533 | 0.2264 | 0.01856 | 0.75504 |
| 0.35312 | 1.16E-24 | 0.69368 | 0.30632 | 0.22603 | 0.01861 | 0.75535 |
| 0.35414 | 1.27E-24 | 0.69268 | 0.30732 | 0.22567 | 0.01867 | 0.75566 |
| 0.35516 | 1.40E-24 | 0.69168 | 0.30832 | 0.22531 | 0.01872 | 0.75597 |

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|---|---|---|---|---|---|---|
| 0.35618 | 1.53E-24 | 0.69069 | 0.30931 | 0.22494 | 0.01878 | 0.75627 |
| 0.3572 | 1.68E-24 | 0.68969 | 0.31031 | 0.22458 | 0.01884 | 0.75658 |
| 0.35822 | 1.84E-24 | 0.68869 | 0.31131 | 0.22422 | 0.01889 | 0.75689 |
| 0.35924 | 2.02E-24 | 0.68769 | 0.31231 | 0.22386 | 0.01895 | 0.75719 |
| 0.36026 | 2.22E-24 | 0.68669 | 0.31331 | 0.2235 | 0.01901 | 0.7575 |
| 0.36128 | 2.43E-24 | 0.6857 | 0.3143 | 0.22314 | 0.01906 | 0.7578 |
| 0.3623 | 2.67E-24 | 0.6847 | 0.3153 | 0.22278 | 0.01912 | 0.7581 |
| 0.36332 | 2.93E-24 | 0.6837 | 0.3163 | 0.22242 | 0.01918 | 0.75841 |
| 0.36434 | 3.22E-24 | 0.6827 | 0.3173 | 0.22206 | 0.01923 | 0.75871 |
| 0.36536 | 3.54E-24 | 0.6817 | 0.3183 | 0.2217 | 0.01929 | 0.75901 |
| 0.36638 | 3.88E-24 | 0.6807 | 0.3193 | 0.22134 | 0.01935 | 0.75931 |
| 0.3674 | 4.27E-24 | 0.67971 | 0.32029 | 0.22099 | 0.0194 | 0.75961 |
| 0.36842 | 4.69E-24 | 0.67871 | 0.32129 | 0.22063 | 0.01946 | 0.75991 |
| 0.36944 | 5.15E-24 | 0.67771 | 0.32229 | 0.22027 | 0.01952 | 0.76021 |
| 0.37046 | 5.66E-24 | 0.67671 | 0.32329 | 0.21991 | 0.01958 | 0.76051 |
| 0.37148 | 6.22E-24 | 0.67571 | 0.32429 | 0.21956 | 0.01964 | 0.76081 |
| 0.3725 | 6.83E-24 | 0.67471 | 0.32529 | 0.2192 | 0.01969 | 0.7611 |
| 0.37352 | 7.51E-24 | 0.67371 | 0.32629 | 0.21885 | 0.01975 | 0.7614 |
| 0.37454 | 8.26E-24 | 0.67271 | 0.32729 | 0.21849 | 0.01981 | 0.7617 |
| 0.37557 | 9.08E-24 | 0.67171 | 0.32829 | 0.21814 | 0.01987 | 0.76199 |
| 0.37659 | 9.98E-24 | 0.67071 | 0.32929 | 0.21778 | 0.01993 | 0.76229 |
| 0.37761 | 1.10E-23 | 0.66971 | 0.33029 | 0.21743 | 0.01998 | 0.76258 |
| 0.37863 | 1.21E-23 | 0.66871 | 0.33129 | 0.21708 | 0.02004 | 0.76288 |
| 0.37965 | 1.33E-23 | 0.66771 | 0.33229 | 0.21672 | 0.0201 | 0.76317 |
| 0.38067 | 1.46E-23 | 0.66671 | 0.33329 | 0.21637 | 0.02016 | 0.76347 |
| 0.38169 | 1.61E-23 | 0.66571 | 0.33429 | 0.21602 | 0.02022 | 0.76376 |
| 0.38271 | 1.77E-23 | 0.66471 | 0.33529 | 0.21567 | 0.02028 | 0.76405 |
| 0.38373 | 1.95E-23 | 0.66371 | 0.33629 | 0.21532 | 0.02034 | 0.76434 |
| 0.38475 | 2.14E-23 | 0.6627 | 0.3373 | 0.21497 | 0.0204 | 0.76464 |
| 0.38577 | 2.36E-23 | 0.6617 | 0.3383 | 0.21462 | 0.02046 | 0.76493 |
| 0.38679 | 2.60E-23 | 0.6607 | 0.3393 | 0.21427 | 0.02052 | 0.76522 |
| 0.38781 | 2.86E-23 | 0.6597 | 0.3403 | 0.21392 | 0.02058 | 0.76551 |
| 0.38883 | 3.15E-23 | 0.6587 | 0.3413 | 0.21357 | 0.02064 | 0.7658 |
| 0.38985 | 3.47E-23 | 0.6577 | 0.3423 | 0.21322 | 0.0207 | 0.76609 |
| 0.39087 | 3.83E-23 | 0.6567 | 0.3433 | 0.21287 | 0.02076 | 0.76637 |
| 0.39189 | 4.21E-23 | 0.65569 | 0.34431 | 0.21252 | 0.02082 | 0.76666 |
| 0.39291 | 4.64E-23 | 0.65469 | 0.34531 | 0.21217 | 0.02088 | 0.76695 |
| 0.39393 | 5.12E-23 | 0.65369 | 0.34631 | 0.21182 | 0.02094 | 0.76724 |
| 0.39495 | 5.64E-23 | 0.65269 | 0.34731 | 0.21148 | 0.021 | 0.76752 |
| 0.39597 | 6.22E-23 | 0.65168 | 0.34832 | 0.21113 | 0.02106 | 0.76781 |
| 0.39699 | 6.85E-23 | 0.65068 | 0.34932 | 0.21078 | 0.02112 | 0.7681 |
| 0.39801 | 7.55E-23 | 0.64968 | 0.35032 | 0.21044 | 0.02118 | 0.76838 |
| 0.39903 | 8.33E-23 | 0.64868 | 0.35132 | 0.21009 | 0.02124 | 0.76867 |
| 0.40006 | 9.19E-23 | 0.64767 | 0.35233 | 0.20975 | 0.0213 | 0.76895 |
| 0.40108 | 1.01E-22 | 0.64667 | 0.35333 | 0.2094 | 0.02137 | 0.76923 |
| 0.4021 | 1.12E-22 | 0.64567 | 0.35433 | 0.20905 | 0.02143 | 0.76952 |
| 0.40312 | 1.23E-22 | 0.64466 | 0.35534 | 0.20871 | 0.02149 | 0.7698 |
| 0.40414 | 1.36E-22 | 0.64366 | 0.35634 | 0.20837 | 0.02155 | 0.77008 |
| 0.40516 | 1.50E-22 | 0.64266 | 0.35734 | 0.20802 | 0.02161 | 0.77036 |
| 0.40618 | 1.66E-22 | 0.64165 | 0.35835 | 0.20768 | 0.02168 | 0.77065 |
| 0.4072 | 1.83E-22 | 0.64065 | 0.35935 | 0.20733 | 0.02174 | 0.77093 |
| 0.40822 | 2.02E-22 | 0.63964 | 0.36036 | 0.20699 | 0.0218 | 0.77121 |

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|---|---|---|---|---|---|---|
| 0.40924 | 2.22E-22 | 0.63864 | 0.36136 | 0.20665 | 0.02186 | 0.77149 |
| 0.41026 | 2.46E-22 | 0.63764 | 0.36236 | 0.20631 | 0.02193 | 0.77177 |
| 0.41128 | 2.71E-22 | 0.63663 | 0.36337 | 0.20596 | 0.02199 | 0.77205 |
| 0.4123 | 2.99E-22 | 0.63563 | 0.36437 | 0.20562 | 0.02205 | 0.77233 |
| 0.41332 | 3.31E-22 | 0.63462 | 0.36538 | 0.20528 | 0.02212 | 0.77261 |
| 0.41434 | 3.65E-22 | 0.63362 | 0.36638 | 0.20494 | 0.02218 | 0.77288 |
| 0.41536 | 4.03E-22 | 0.63261 | 0.36739 | 0.2046 | 0.02224 | 0.77316 |
| 0.41638 | 4.45E-22 | 0.63161 | 0.36839 | 0.20426 | 0.02231 | 0.77344 |
| 0.4174 | 4.92E-22 | 0.6306 | 0.3694 | 0.20391 | 0.02237 | 0.77372 |
| 0.41842 | 5.43E-22 | 0.6296 | 0.3704 | 0.20357 | 0.02243 | 0.77399 |
| 0.41944 | 6.00E-22 | 0.62859 | 0.37141 | 0.20323 | 0.0225 | 0.77427 |
| 0.42046 | 6.63E-22 | 0.62759 | 0.37241 | 0.20289 | 0.02256 | 0.77454 |
| 0.42148 | 7.33E-22 | 0.62658 | 0.37342 | 0.20255 | 0.02263 | 0.77482 |
| 0.4225 | 8.10E-22 | 0.62557 | 0.37443 | 0.20221 | 0.02269 | 0.77509 |
| 0.42352 | 8.95E-22 | 0.62457 | 0.37543 | 0.20188 | 0.02276 | 0.77537 |
| 0.42454 | 9.89E-22 | 0.62356 | 0.37644 | 0.20154 | 0.02282 | 0.77564 |
| 0.42557 | 1.09E-21 | 0.62256 | 0.37744 | 0.2012 | 0.02289 | 0.77592 |
| 0.42659 | 1.21E-21 | 0.62155 | 0.37845 | 0.20086 | 0.02295 | 0.77619 |
| 0.42761 | 1.34E-21 | 0.62054 | 0.37946 | 0.20052 | 0.02302 | 0.77646 |
| 0.42863 | 1.48E-21 | 0.61954 | 0.38046 | 0.20018 | 0.02308 | 0.77674 |
| 0.42965 | 1.63E-21 | 0.61853 | 0.38147 | 0.19985 | 0.02315 | 0.77701 |
| 0.43067 | 1.81E-21 | 0.61752 | 0.38248 | 0.19951 | 0.02321 | 0.77728 |
| 0.43169 | 2.00E-21 | 0.61652 | 0.38348 | 0.19917 | 0.02328 | 0.77755 |
| 0.43271 | 2.21E-21 | 0.61551 | 0.38449 | 0.19883 | 0.02334 | 0.77782 |
| 0.43373 | 2.45E-21 | 0.6145 | 0.3855 | 0.1985 | 0.02341 | 0.77809 |
| 0.43475 | 2.71E-21 | 0.6135 | 0.3865 | 0.19816 | 0.02348 | 0.77836 |
| 0.43577 | 2.99E-21 | 0.61249 | 0.38751 | 0.19782 | 0.02354 | 0.77863 |
| 0.43679 | 3.31E-21 | 0.61148 | 0.38852 | 0.19749 | 0.02361 | 0.7789 |
| 0.43781 | 3.67E-21 | 0.61047 | 0.38953 | 0.19715 | 0.02368 | 0.77917 |
| 0.43883 | 4.06E-21 | 0.60947 | 0.39053 | 0.19682 | 0.02374 | 0.77944 |
| 0.43985 | 4.49E-21 | 0.60846 | 0.39154 | 0.19648 | 0.02381 | 0.77971 |
| 0.44087 | 4.97E-21 | 0.60745 | 0.39255 | 0.19615 | 0.02388 | 0.77998 |
| 0.44189 | 5.50E-21 | 0.60644 | 0.39356 | 0.19581 | 0.02395 | 0.78024 |
| 0.44291 | 6.09E-21 | 0.60543 | 0.39457 | 0.19548 | 0.02401 | 0.78051 |
| 0.44393 | 6.74E-21 | 0.60443 | 0.39557 | 0.19514 | 0.02408 | 0.78078 |
| 0.44495 | 7.46E-21 | 0.60342 | 0.39658 | 0.19481 | 0.02415 | 0.78105 |
| 0.44597 | 8.26E-21 | 0.60241 | 0.39759 | 0.19447 | 0.02422 | 0.78131 |
| 0.44699 | 9.15E-21 | 0.6014 | 0.3986 | 0.19414 | 0.02429 | 0.78158 |
| 0.44801 | 1.01E-20 | 0.60039 | 0.39961 | 0.1938 | 0.02435 | 0.78184 |
| 0.44903 | 1.12E-20 | 0.59938 | 0.40062 | 0.19347 | 0.02442 | 0.78211 |
| 0.45006 | 1.24E-20 | 0.59837 | 0.40163 | 0.19314 | 0.02449 | 0.78237 |
| 0.45108 | 1.38E-20 | 0.59736 | 0.40264 | 0.1928 | 0.02456 | 0.78264 |
| 0.4521 | 1.52E-20 | 0.59636 | 0.40364 | 0.19247 | 0.02463 | 0.7829 |
| 0.45312 | 1.69E-20 | 0.59535 | 0.40465 | 0.19214 | 0.0247 | 0.78317 |
| 0.45414 | 1.87E-20 | 0.59434 | 0.40566 | 0.1918 | 0.02477 | 0.78343 |
| 0.45516 | 2.07E-20 | 0.59333 | 0.40667 | 0.19147 | 0.02484 | 0.78369 |
| 0.45618 | 2.30E-20 | 0.59232 | 0.40768 | 0.19114 | 0.02491 | 0.78396 |
| 0.4572 | 2.54E-20 | 0.59131 | 0.40869 | 0.19081 | 0.02498 | 0.78422 |
| 0.45822 | 2.82E-20 | 0.5903 | 0.4097 | 0.19047 | 0.02505 | 0.78448 |
| 0.45924 | 3.12E-20 | 0.58929 | 0.41071 | 0.19014 | 0.02512 | 0.78474 |
| 0.46026 | 3.46E-20 | 0.58828 | 0.41172 | 0.18981 | 0.02519 | 0.785 |
| 0.46128 | 3.84E-20 | 0.58727 | 0.41273 | 0.18948 | 0.02526 | 0.78526 |

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|---|---|---|---|---|---|---|
| 0.4623 | 4.25E-20 | 0.58626 | 0.41374 | 0.18915 | 0.02533 | 0.78553 |
| 0.46332 | 4.72E-20 | 0.58525 | 0.41475 | 0.18881 | 0.0254 | 0.78579 |
| 0.46434 | 5.23E-20 | 0.58424 | 0.41576 | 0.18848 | 0.02547 | 0.78605 |
| 0.46536 | 5.80E-20 | 0.58323 | 0.41677 | 0.18815 | 0.02554 | 0.78631 |
| 0.46638 | 6.43E-20 | 0.58222 | 0.41778 | 0.18782 | 0.02561 | 0.78657 |
| 0.4674 | 7.12E-20 | 0.5812 | 0.4188 | 0.18749 | 0.02569 | 0.78682 |
| 0.46842 | 7.90E-20 | 0.58019 | 0.41981 | 0.18716 | 0.02576 | 0.78708 |
| 0.46944 | 8.76E-20 | 0.57918 | 0.42082 | 0.18683 | 0.02583 | 0.78734 |
| 0.47046 | 9.71E-20 | 0.57817 | 0.42183 | 0.1865 | 0.0259 | 0.7876 |
| 0.47148 | 1.08E-19 | 0.57716 | 0.42284 | 0.18617 | 0.02597 | 0.78786 |
| 0.4725 | 1.19E-19 | 0.57615 | 0.42385 | 0.18584 | 0.02605 | 0.78812 |
| 0.47352 | 1.33E-19 | 0.57514 | 0.42486 | 0.18551 | 0.02612 | 0.78837 |
| 0.47454 | 1.47E-19 | 0.57413 | 0.42587 | 0.18518 | 0.02619 | 0.78863 |
| 0.47557 | 1.63E-19 | 0.57311 | 0.42689 | 0.18485 | 0.02627 | 0.78889 |
| 0.47659 | 1.81E-19 | 0.5721 | 0.4279 | 0.18452 | 0.02634 | 0.78914 |
| 0.47761 | 2.01E-19 | 0.57109 | 0.42891 | 0.18419 | 0.02641 | 0.7894 |
| 0.47863 | 2.23E-19 | 0.57008 | 0.42992 | 0.18386 | 0.02649 | 0.78966 |
| 0.47965 | 2.47E-19 | 0.56907 | 0.43093 | 0.18353 | 0.02656 | 0.78991 |
| 0.48067 | 2.74E-19 | 0.56805 | 0.43195 | 0.1832 | 0.02663 | 0.79017 |
| 0.48169 | 3.04E-19 | 0.56704 | 0.43296 | 0.18287 | 0.02671 | 0.79042 |
| 0.48271 | 3.37E-19 | 0.56603 | 0.43397 | 0.18254 | 0.02678 | 0.79068 |
| 0.48373 | 3.74E-19 | 0.56502 | 0.43498 | 0.18221 | 0.02686 | 0.79093 |
| 0.48475 | 4.16E-19 | 0.564 | 0.436 | 0.18188 | 0.02693 | 0.79119 |
| 0.48577 | 4.61E-19 | 0.56299 | 0.43701 | 0.18155 | 0.02701 | 0.79144 |
| 0.48679 | 5.12E-19 | 0.56198 | 0.43802 | 0.18122 | 0.02708 | 0.79169 |
| 0.48781 | 5.68E-19 | 0.56096 | 0.43904 | 0.1809 | 0.02716 | 0.79195 |
| 0.48883 | 6.31E-19 | 0.55995 | 0.44005 | 0.18057 | 0.02723 | 0.7922 |
| 0.48985 | 7.00E-19 | 0.55894 | 0.44106 | 0.18024 | 0.02731 | 0.79245 |
| 0.49087 | 7.77E-19 | 0.55792 | 0.44208 | 0.17991 | 0.02738 | 0.79271 |
| 0.49189 | 8.63E-19 | 0.55691 | 0.44309 | 0.17958 | 0.02746 | 0.79296 |
| 0.49291 | 9.58E-19 | 0.5559 | 0.4441 | 0.17925 | 0.02754 | 0.79321 |
| 0.49393 | 1.06E-18 | 0.55488 | 0.44512 | 0.17893 | 0.02761 | 0.79346 |
| 0.49495 | 1.18E-18 | 0.55387 | 0.44613 | 0.1786 | 0.02769 | 0.79371 |
| 0.49597 | 1.31E-18 | 0.55286 | 0.44714 | 0.17827 | 0.02777 | 0.79396 |
| 0.49699 | 1.46E-18 | 0.55184 | 0.44816 | 0.17794 | 0.02784 | 0.79421 |
| 0.49801 | 1.62E-18 | 0.55083 | 0.44917 | 0.17761 | 0.02792 | 0.79446 |
| 0.49903 | 1.79E-18 | 0.54981 | 0.45019 | 0.17728 | 0.028 | 0.79472 |
| 0.50006 | 1.99E-18 | 0.5488 | 0.4512 | 0.17696 | 0.02808 | 0.79497 |
| 0.50108 | 2.21E-18 | 0.54778 | 0.45222 | 0.17663 | 0.02816 | 0.79522 |
| 0.5021 | 2.46E-18 | 0.54677 | 0.45323 | 0.1763 | 0.02823 | 0.79546 |
| 0.50312 | 2.73E-18 | 0.54576 | 0.45424 | 0.17597 | 0.02831 | 0.79571 |
| 0.50414 | 3.03E-18 | 0.54474 | 0.45526 | 0.17565 | 0.02839 | 0.79596 |
| 0.50516 | 3.37E-18 | 0.54373 | 0.45627 | 0.17532 | 0.02847 | 0.79621 |
| 0.50618 | 3.74E-18 | 0.54271 | 0.45729 | 0.17499 | 0.02855 | 0.79646 |
| 0.5072 | 4.15E-18 | 0.5417 | 0.4583 | 0.17466 | 0.02863 | 0.79671 |
| 0.50822 | 4.61E-18 | 0.54068 | 0.45932 | 0.17434 | 0.02871 | 0.79696 |
| 0.50924 | 5.13E-18 | 0.53966 | 0.46034 | 0.17401 | 0.02879 | 0.7972 |
| 0.51026 | 5.69E-18 | 0.53865 | 0.46135 | 0.17368 | 0.02887 | 0.79745 |
| 0.51128 | 6.33E-18 | 0.53763 | 0.46237 | 0.17335 | 0.02895 | 0.7977 |
| 0.5123 | 7.03E-18 | 0.53662 | 0.46338 | 0.17303 | 0.02903 | 0.79795 |
| 0.51332 | 7.81E-18 | 0.5356 | 0.4644 | 0.1727 | 0.02911 | 0.79819 |
| 0.51434 | 8.67E-18 | 0.53459 | 0.46541 | 0.17237 | 0.02919 | 0.79844 |

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| 0.51536 | 9.64E-18 | 0.53357 | 0.46643 | 0.17204 | 0.02927 | 0.79869 |
| 0.51638 | 1.07E-17 | 0.53255 | 0.46745 | 0.17172 | 0.02935 | 0.79893 |
| 0.5174 | 1.19E-17 | 0.53154 | 0.46846 | 0.17139 | 0.02943 | 0.79918 |
| 0.51842 | 1.32E-17 | 0.53052 | 0.46948 | 0.17106 | 0.02951 | 0.79942 |
| 0.51944 | 1.47E-17 | 0.52951 | 0.47049 | 0.17074 | 0.0296 | 0.79967 |
| 0.52046 | 1.63E-17 | 0.52849 | 0.47151 | 0.17041 | 0.02968 | 0.79991 |
| 0.52148 | 1.81E-17 | 0.52747 | 0.47253 | 0.17008 | 0.02976 | 0.80016 |
| 0.5225 | 2.02E-17 | 0.52646 | 0.47354 | 0.16975 | 0.02984 | 0.8004 |
| 0.52352 | 2.24E-17 | 0.52544 | 0.47456 | 0.16943 | 0.02993 | 0.80065 |
| 0.52454 | 2.49E-17 | 0.52442 | 0.47558 | 0.1691 | 0.03001 | 0.80089 |
| 0.52557 | 2.77E-17 | 0.5234 | 0.4766 | 0.16877 | 0.03009 | 0.80114 |
| 0.52659 | 3.07E-17 | 0.52239 | 0.47761 | 0.16845 | 0.03018 | 0.80138 |
| 0.52761 | 3.42E-17 | 0.52137 | 0.47863 | 0.16812 | 0.03026 | 0.80162 |
| 0.52863 | 3.80E-17 | 0.52035 | 0.47965 | 0.16779 | 0.03034 | 0.80187 |
| 0.52965 | 4.22E-17 | 0.51934 | 0.48066 | 0.16746 | 0.03043 | 0.80211 |
| 0.53067 | 4.69E-17 | 0.51832 | 0.48168 | 0.16714 | 0.03051 | 0.80235 |
| 0.53169 | 5.21E-17 | 0.5173 | 0.4827 | 0.16681 | 0.0306 | 0.80259 |
| 0.53271 | 5.80E-17 | 0.51628 | 0.48372 | 0.16648 | 0.03068 | 0.80284 |
| 0.53373 | 6.44E-17 | 0.51526 | 0.48474 | 0.16615 | 0.03077 | 0.80308 |
| 0.53475 | 7.16E-17 | 0.51425 | 0.48575 | 0.16583 | 0.03085 | 0.80332 |
| 0.53577 | 7.96E-17 | 0.51323 | 0.48677 | 0.1655 | 0.03094 | 0.80356 |
| 0.53679 | 8.85E-17 | 0.51221 | 0.48779 | 0.16517 | 0.03102 | 0.8038 |
| 0.53781 | 9.84E-17 | 0.51119 | 0.48881 | 0.16485 | 0.03111 | 0.80404 |
| 0.53883 | 1.09E-16 | 0.51017 | 0.48983 | 0.16452 | 0.0312 | 0.80429 |
| 0.53985 | 1.22E-16 | 0.50916 | 0.49084 | 0.16419 | 0.03128 | 0.80453 |
| 0.54087 | 1.35E-16 | 0.50814 | 0.49186 | 0.16386 | 0.03137 | 0.80477 |
| 0.54189 | 1.50E-16 | 0.50712 | 0.49288 | 0.16354 | 0.03146 | 0.80501 |
| 0.54291 | 1.67E-16 | 0.5061 | 0.4939 | 0.16321 | 0.03154 | 0.80525 |
| 0.54393 | 1.86E-16 | 0.50508 | 0.49492 | 0.16288 | 0.03163 | 0.80549 |
| 0.54495 | 2.06E-16 | 0.50406 | 0.49594 | 0.16255 | 0.03172 | 0.80573 |
| 0.54597 | 2.29E-16 | 0.50304 | 0.49696 | 0.16223 | 0.03181 | 0.80597 |
| 0.54699 | 2.55E-16 | 0.50202 | 0.49798 | 0.1619 | 0.0319 | 0.80621 |
| 0.54801 | 2.84E-16 | 0.501 | 0.499 | 0.16157 | 0.03198 | 0.80645 |
| 0.54903 | 3.15E-16 | 0.49998 | 0.50002 | 0.16124 | 0.03207 | 0.80668 |
| 0.55006 | 3.50E-16 | 0.49896 | 0.50104 | 0.16091 | 0.03216 | 0.80692 |
| 0.55108 | 3.90E-16 | 0.49795 | 0.50205 | 0.16059 | 0.03225 | 0.80716 |
| 0.5521 | 4.33E-16 | 0.49693 | 0.50307 | 0.16026 | 0.03234 | 0.8074 |
| 0.55312 | 4.82E-16 | 0.49591 | 0.50409 | 0.15993 | 0.03243 | 0.80764 |
| 0.55414 | 5.35E-16 | 0.49489 | 0.50511 | 0.1596 | 0.03252 | 0.80788 |
| 0.55516 | 5.95E-16 | 0.49387 | 0.50613 | 0.15927 | 0.03261 | 0.80811 |
| 0.55618 | 6.62E-16 | 0.49285 | 0.50715 | 0.15895 | 0.0327 | 0.80835 |
| 0.5572 | 7.36E-16 | 0.49183 | 0.50817 | 0.15862 | 0.03279 | 0.80859 |
| 0.55822 | 8.18E-16 | 0.4908 | 0.5092 | 0.15829 | 0.03289 | 0.80883 |
| 0.55924 | 9.10E-16 | 0.48978 | 0.51022 | 0.15796 | 0.03298 | 0.80906 |
| 0.56026 | 1.01E-15 | 0.48876 | 0.51124 | 0.15763 | 0.03307 | 0.8093 |
| 0.56128 | 1.12E-15 | 0.48774 | 0.51226 | 0.1573 | 0.03316 | 0.80954 |
| 0.5623 | 1.25E-15 | 0.48672 | 0.51328 | 0.15697 | 0.03325 | 0.80977 |
| 0.56332 | 1.39E-15 | 0.4857 | 0.5143 | 0.15664 | 0.03335 | 0.81001 |
| 0.56434 | 1.55E-15 | 0.48468 | 0.51532 | 0.15632 | 0.03344 | 0.81025 |
| 0.56536 | 1.72E-15 | 0.48366 | 0.51634 | 0.15599 | 0.03353 | 0.81048 |
| 0.56638 | 1.91E-15 | 0.48264 | 0.51736 | 0.15566 | 0.03363 | 0.81072 |
| 0.5674 | 2.12E-15 | 0.48162 | 0.51838 | 0.15533 | 0.03372 | 0.81095 |

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| 0.56842 | 2.36E-15 | 0.4806 | 0.5194 | 0.155 | 0.03381 | 0.81119 |
| 0.56944 | 2.63E-15 | 0.47957 | 0.52043 | 0.15467 | 0.03391 | 0.81142 |
| 0.57046 | 2.92E-15 | 0.47855 | 0.52145 | 0.15434 | 0.034 | 0.81166 |
| 0.57148 | 3.25E-15 | 0.47753 | 0.52247 | 0.15401 | 0.0341 | 0.81189 |
| 0.5725 | 3.61E-15 | 0.47651 | 0.52349 | 0.15368 | 0.03419 | 0.81213 |
| 0.57352 | 4.01E-15 | 0.47549 | 0.52451 | 0.15335 | 0.03429 | 0.81236 |
| 0.57454 | 4.46E-15 | 0.47447 | 0.52553 | 0.15302 | 0.03438 | 0.8126 |
| 0.57557 | 4.96E-15 | 0.47344 | 0.52656 | 0.15269 | 0.03448 | 0.81283 |
| 0.57659 | 5.51E-15 | 0.47242 | 0.52758 | 0.15236 | 0.03458 | 0.81306 |
| 0.57761 | 6.13E-15 | 0.4714 | 0.5286 | 0.15203 | 0.03467 | 0.8133 |
| 0.57863 | 6.82E-15 | 0.47038 | 0.52962 | 0.1517 | 0.03477 | 0.81353 |
| 0.57965 | 7.58E-15 | 0.46935 | 0.53065 | 0.15137 | 0.03487 | 0.81376 |
| 0.58067 | 8.42E-15 | 0.46833 | 0.53167 | 0.15104 | 0.03497 | 0.814 |
| 0.58169 | 9.37E-15 | 0.46731 | 0.53269 | 0.15071 | 0.03506 | 0.81423 |
| 0.58271 | 1.04E-14 | 0.46629 | 0.53371 | 0.15038 | 0.03516 | 0.81446 |
| 0.58373 | 1.16E-14 | 0.46526 | 0.53474 | 0.15004 | 0.03526 | 0.8147 |
| 0.58475 | 1.29E-14 | 0.46424 | 0.53576 | 0.14971 | 0.03536 | 0.81493 |
| 0.58577 | 1.43E-14 | 0.46322 | 0.53678 | 0.14938 | 0.03546 | 0.81516 |
| 0.58679 | 1.59E-14 | 0.46219 | 0.53781 | 0.14905 | 0.03556 | 0.81539 |
| 0.58781 | 1.77E-14 | 0.46117 | 0.53883 | 0.14872 | 0.03566 | 0.81562 |
| 0.58883 | 1.97E-14 | 0.46015 | 0.53985 | 0.14839 | 0.03576 | 0.81586 |
| 0.58985 | 2.18E-14 | 0.45912 | 0.54088 | 0.14805 | 0.03586 | 0.81609 |
| 0.59087 | 2.43E-14 | 0.4581 | 0.5419 | 0.14772 | 0.03596 | 0.81632 |
| 0.59189 | 2.70E-14 | 0.45708 | 0.54292 | 0.14739 | 0.03606 | 0.81655 |
| 0.59291 | 3.00E-14 | 0.45605 | 0.54395 | 0.14706 | 0.03616 | 0.81678 |
| 0.59393 | 3.33E-14 | 0.45503 | 0.54497 | 0.14672 | 0.03626 | 0.81701 |
| 0.59495 | 3.71E-14 | 0.454 | 0.546 | 0.14639 | 0.03637 | 0.81724 |
| 0.59597 | 4.12E-14 | 0.45298 | 0.54702 | 0.14606 | 0.03647 | 0.81747 |
| 0.59699 | 4.58E-14 | 0.45196 | 0.54804 | 0.14572 | 0.03657 | 0.81771 |
| 0.59801 | 5.09E-14 | 0.45093 | 0.54907 | 0.14539 | 0.03667 | 0.81794 |
| 0.59903 | 5.66E-14 | 0.44991 | 0.55009 | 0.14506 | 0.03678 | 0.81817 |
| 0.60006 | 6.29E-14 | 0.44888 | 0.55112 | 0.14472 | 0.03688 | 0.8184 |
| 0.60108 | 6.99E-14 | 0.44786 | 0.55214 | 0.14439 | 0.03698 | 0.81863 |
| 0.6021 | 7.76E-14 | 0.44683 | 0.55317 | 0.14406 | 0.03709 | 0.81886 |
| 0.60312 | 8.63E-14 | 0.44581 | 0.55419 | 0.14372 | 0.03719 | 0.81909 |
| 0.60414 | 9.59E-14 | 0.44478 | 0.55522 | 0.14339 | 0.0373 | 0.81931 |
| 0.60516 | 1.07E-13 | 0.44376 | 0.55624 | 0.14305 | 0.0374 | 0.81954 |
| 0.60618 | 1.18E-13 | 0.44273 | 0.55727 | 0.14272 | 0.03751 | 0.81977 |
| 0.6072 | 1.32E-13 | 0.44171 | 0.55829 | 0.14238 | 0.03762 | 0.82 |
| 0.60822 | 1.46E-13 | 0.44068 | 0.55932 | 0.14205 | 0.03772 | 0.82023 |
| 0.60924 | 1.62E-13 | 0.43966 | 0.56034 | 0.14171 | 0.03783 | 0.82046 |
| 0.61026 | 1.81E-13 | 0.43863 | 0.56137 | 0.14137 | 0.03794 | 0.82069 |
| 0.61128 | 2.01E-13 | 0.43761 | 0.56239 | 0.14104 | 0.03804 | 0.82092 |
| 0.6123 | 2.23E-13 | 0.43658 | 0.56342 | 0.1407 | 0.03815 | 0.82114 |
| 0.61332 | 2.48E-13 | 0.43555 | 0.56445 | 0.14037 | 0.03826 | 0.82137 |
| 0.61434 | 2.75E-13 | 0.43453 | 0.56547 | 0.14003 | 0.03837 | 0.8216 |
| 0.61536 | 3.06E-13 | 0.4335 | 0.5665 | 0.13969 | 0.03848 | 0.82183 |
| 0.61638 | 3.39E-13 | 0.43248 | 0.56752 | 0.13935 | 0.03859 | 0.82206 |
| 0.6174 | 3.77E-13 | 0.43145 | 0.56855 | 0.13902 | 0.0387 | 0.82228 |
| 0.61842 | 4.19E-13 | 0.43042 | 0.56958 | 0.13868 | 0.03881 | 0.82251 |
| 0.61944 | 4.65E-13 | 0.4294 | 0.5706 | 0.13834 | 0.03892 | 0.82274 |
| 0.62046 | 5.17E-13 | 0.42837 | 0.57163 | 0.138 | 0.03903 | 0.82297 |

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|---|---|---|---|---|---|---|
| 0.62148 | 5.74E-13 | 0.42734 | 0.57266 | 0.13767 | 0.03914 | 0.82319 |
| 0.6225 | 6.37E-13 | 0.42632 | 0.57368 | 0.13733 | 0.03925 | 0.82342 |
| 0.62352 | 7.08E-13 | 0.42529 | 0.57471 | 0.13699 | 0.03937 | 0.82365 |
| 0.62454 | 7.86E-13 | 0.42426 | 0.57574 | 0.13665 | 0.03948 | 0.82387 |
| 0.62557 | 8.73E-13 | 0.42324 | 0.57676 | 0.13631 | 0.03959 | 0.8241 |
| 0.62659 | 9.70E-13 | 0.42221 | 0.57779 | 0.13597 | 0.0397 | 0.82433 |
| 0.62761 | 1.08E-12 | 0.42118 | 0.57882 | 0.13563 | 0.03982 | 0.82455 |
| 0.62863 | 1.20E-12 | 0.42015 | 0.57985 | 0.13529 | 0.03993 | 0.82478 |
| 0.62965 | 1.33E-12 | 0.41913 | 0.58087 | 0.13495 | 0.04005 | 0.825 |
| 0.63067 | 1.47E-12 | 0.4181 | 0.5819 | 0.13461 | 0.04016 | 0.82523 |
| 0.63169 | 1.64E-12 | 0.41707 | 0.58293 | 0.13427 | 0.04028 | 0.82546 |
| 0.63271 | 1.82E-12 | 0.41604 | 0.58396 | 0.13393 | 0.04039 | 0.82568 |
| 0.63373 | 2.02E-12 | 0.41502 | 0.58498 | 0.13358 | 0.04051 | 0.82591 |
| 0.63475 | 2.24E-12 | 0.41399 | 0.58601 | 0.13324 | 0.04063 | 0.82613 |
| 0.63577 | 2.48E-12 | 0.41296 | 0.58704 | 0.1329 | 0.04074 | 0.82636 |
| 0.63679 | 2.76E-12 | 0.41193 | 0.58807 | 0.13256 | 0.04086 | 0.82658 |
| 0.63781 | 3.06E-12 | 0.4109 | 0.5891 | 0.13222 | 0.04098 | 0.82681 |
| 0.63883 | 3.40E-12 | 0.40988 | 0.59012 | 0.13187 | 0.0411 | 0.82703 |
| 0.63985 | 3.77E-12 | 0.40885 | 0.59115 | 0.13153 | 0.04122 | 0.82726 |
| 0.64087 | 4.18E-12 | 0.40782 | 0.59218 | 0.13119 | 0.04133 | 0.82748 |
| 0.64189 | 4.64E-12 | 0.40679 | 0.59321 | 0.13084 | 0.04145 | 0.8277 |
| 0.64291 | 5.15E-12 | 0.40576 | 0.59424 | 0.1305 | 0.04157 | 0.82793 |
| 0.64393 | 5.72E-12 | 0.40473 | 0.59527 | 0.13015 | 0.04169 | 0.82815 |
| 0.64495 | 6.34E-12 | 0.4037 | 0.5963 | 0.12981 | 0.04182 | 0.82838 |
| 0.64597 | 7.04E-12 | 0.40267 | 0.59733 | 0.12946 | 0.04194 | 0.8286 |
| 0.64699 | 7.81E-12 | 0.40165 | 0.59835 | 0.12912 | 0.04206 | 0.82882 |
| 0.64801 | 8.66E-12 | 0.40062 | 0.59938 | 0.12877 | 0.04218 | 0.82905 |
| 0.64903 | 9.61E-12 | 0.39959 | 0.60041 | 0.12842 | 0.0423 | 0.82927 |
| 0.65006 | 1.07E-11 | 0.39856 | 0.60144 | 0.12808 | 0.04243 | 0.8295 |
| 0.65108 | 1.18E-11 | 0.39753 | 0.60247 | 0.12773 | 0.04255 | 0.82972 |
| 0.6521 | 1.31E-11 | 0.3965 | 0.6035 | 0.12738 | 0.04267 | 0.82994 |
| 0.65312 | 1.45E-11 | 0.39547 | 0.60453 | 0.12704 | 0.0428 | 0.83016 |
| 0.65414 | 1.61E-11 | 0.39444 | 0.60556 | 0.12669 | 0.04292 | 0.83039 |
| 0.65516 | 1.79E-11 | 0.39341 | 0.60659 | 0.12634 | 0.04305 | 0.83061 |
| 0.65618 | 1.98E-11 | 0.39238 | 0.60762 | 0.12599 | 0.04318 | 0.83083 |
| 0.6572 | 2.20E-11 | 0.39135 | 0.60865 | 0.12564 | 0.0433 | 0.83106 |
| 0.65822 | 2.44E-11 | 0.39032 | 0.60968 | 0.12529 | 0.04343 | 0.83128 |
| 0.65924 | 2.70E-11 | 0.38929 | 0.61071 | 0.12494 | 0.04356 | 0.8315 |
| 0.66026 | 2.99E-11 | 0.38826 | 0.61174 | 0.12459 | 0.04369 | 0.83172 |
| 0.66128 | 3.32E-11 | 0.38723 | 0.61277 | 0.12424 | 0.04381 | 0.83194 |
| 0.6623 | 3.68E-11 | 0.3862 | 0.6138 | 0.12389 | 0.04394 | 0.83217 |
| 0.66332 | 4.07E-11 | 0.38517 | 0.61483 | 0.12354 | 0.04407 | 0.83239 |
| 0.66434 | 4.51E-11 | 0.38414 | 0.61586 | 0.12319 | 0.0442 | 0.83261 |
| 0.66536 | 5.00E-11 | 0.3831 | 0.6169 | 0.12284 | 0.04433 | 0.83283 |
| 0.66638 | 5.54E-11 | 0.38207 | 0.61793 | 0.12248 | 0.04446 | 0.83305 |
| 0.6674 | 6.14E-11 | 0.38104 | 0.61896 | 0.12213 | 0.0446 | 0.83327 |
| 0.66842 | 6.80E-11 | 0.38001 | 0.61999 | 0.12178 | 0.04473 | 0.8335 |
| 0.66944 | 7.54E-11 | 0.37898 | 0.62102 | 0.12142 | 0.04486 | 0.83372 |
| 0.67046 | 8.35E-11 | 0.37795 | 0.62205 | 0.12107 | 0.04499 | 0.83394 |
| 0.67148 | 9.25E-11 | 0.37692 | 0.62308 | 0.12071 | 0.04513 | 0.83416 |
| 0.6725 | 1.02E-10 | 0.37589 | 0.62411 | 0.12036 | 0.04526 | 0.83438 |
| 0.67352 | 1.13E-10 | 0.37485 | 0.62515 | 0.12 | 0.0454 | 0.8346 |

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| 0.67454 | 1.26E-10 | 0.37382 | 0.62618 | 0.11965 | 0.04553 | 0.83482 |
| 0.67557 | 1.39E-10 | 0.37279 | 0.62721 | 0.11929 | 0.04567 | 0.83504 |
| 0.67659 | 1.54E-10 | 0.37176 | 0.62824 | 0.11893 | 0.0458 | 0.83526 |
| 0.67761 | 1.70E-10 | 0.37073 | 0.62927 | 0.11858 | 0.04594 | 0.83548 |
| 0.67863 | 1.89E-10 | 0.36969 | 0.63031 | 0.11822 | 0.04608 | 0.8357 |
| 0.67965 | 2.09E-10 | 0.36866 | 0.63134 | 0.11786 | 0.04622 | 0.83592 |
| 0.68067 | 2.31E-10 | 0.36763 | 0.63237 | 0.1175 | 0.04636 | 0.83614 |
| 0.68169 | 2.56E-10 | 0.3666 | 0.6334 | 0.11714 | 0.0465 | 0.83636 |
| 0.68271 | 2.83E-10 | 0.36556 | 0.63444 | 0.11678 | 0.04664 | 0.83658 |
| 0.68373 | 3.13E-10 | 0.36453 | 0.63547 | 0.11642 | 0.04678 | 0.8368 |
| 0.68475 | 3.46E-10 | 0.3635 | 0.6365 | 0.11606 | 0.04692 | 0.83702 |
| 0.68577 | 3.83E-10 | 0.36247 | 0.63753 | 0.1157 | 0.04706 | 0.83724 |
| 0.68679 | 4.24E-10 | 0.36143 | 0.63857 | 0.11534 | 0.0472 | 0.83746 |
| 0.68781 | 4.69E-10 | 0.3604 | 0.6396 | 0.11498 | 0.04734 | 0.83768 |
| 0.68883 | 5.18E-10 | 0.35937 | 0.64063 | 0.11462 | 0.04749 | 0.8379 |
| 0.68985 | 5.73E-10 | 0.35833 | 0.64167 | 0.11425 | 0.04763 | 0.83812 |
| 0.69087 | 6.34E-10 | 0.3573 | 0.6427 | 0.11389 | 0.04778 | 0.83833 |
| 0.69189 | 7.01E-10 | 0.35627 | 0.64373 | 0.11353 | 0.04792 | 0.83855 |
| 0.69291 | 7.75E-10 | 0.35523 | 0.64477 | 0.11316 | 0.04807 | 0.83877 |
| 0.69393 | 8.56E-10 | 0.3542 | 0.6458 | 0.1128 | 0.04821 | 0.83899 |
| 0.69495 | 9.47E-10 | 0.35317 | 0.64683 | 0.11243 | 0.04836 | 0.83921 |
| 0.69597 | 1.05E-09 | 0.35213 | 0.64787 | 0.11206 | 0.04851 | 0.83943 |
| 0.69699 | 1.16E-09 | 0.3511 | 0.6489 | 0.1117 | 0.04866 | 0.83964 |
| 0.69801 | 1.28E-09 | 0.35007 | 0.64993 | 0.11133 | 0.04881 | 0.83986 |
| 0.69903 | 1.41E-09 | 0.34903 | 0.65097 | 0.11096 | 0.04896 | 0.84008 |
| 0.70006 | 1.56E-09 | 0.348 | 0.652 | 0.11059 | 0.04911 | 0.8403 |
| 0.70108 | 1.72E-09 | 0.34696 | 0.65304 | 0.11023 | 0.04926 | 0.84052 |
| 0.7021 | 1.90E-09 | 0.34593 | 0.65407 | 0.10986 | 0.04941 | 0.84073 |
| 0.70312 | 2.10E-09 | 0.34489 | 0.65511 | 0.10949 | 0.04956 | 0.84095 |
| 0.70414 | 2.32E-09 | 0.34386 | 0.65614 | 0.10912 | 0.04972 | 0.84117 |
| 0.70516 | 2.56E-09 | 0.34283 | 0.65717 | 0.10874 | 0.04987 | 0.84138 |
| 0.70618 | 2.83E-09 | 0.34179 | 0.65821 | 0.10837 | 0.05003 | 0.8416 |
| 0.7072 | 3.12E-09 | 0.34076 | 0.65924 | 0.108 | 0.05018 | 0.84182 |
| 0.70822 | 3.44E-09 | 0.33972 | 0.66028 | 0.10763 | 0.05034 | 0.84204 |
| 0.70924 | 3.80E-09 | 0.33869 | 0.66131 | 0.10725 | 0.05049 | 0.84225 |
| 0.71026 | 4.19E-09 | 0.33765 | 0.66235 | 0.10688 | 0.05065 | 0.84247 |
| 0.71128 | 4.63E-09 | 0.33662 | 0.66338 | 0.1065 | 0.05081 | 0.84269 |
| 0.7123 | 5.10E-09 | 0.33558 | 0.66442 | 0.10613 | 0.05097 | 0.8429 |
| 0.71332 | 5.63E-09 | 0.33455 | 0.66545 | 0.10575 | 0.05113 | 0.84312 |
| 0.71434 | 6.21E-09 | 0.33351 | 0.66649 | 0.10538 | 0.05129 | 0.84333 |
| 0.71536 | 6.85E-09 | 0.33247 | 0.66753 | 0.105 | 0.05145 | 0.84355 |
| 0.71638 | 7.55E-09 | 0.33144 | 0.66856 | 0.10462 | 0.05161 | 0.84377 |
| 0.7174 | 8.32E-09 | 0.3304 | 0.6696 | 0.10424 | 0.05178 | 0.84398 |
| 0.71842 | 9.17E-09 | 0.32937 | 0.67063 | 0.10386 | 0.05194 | 0.8442 |
| 0.71944 | 1.01E-08 | 0.32833 | 0.67167 | 0.10348 | 0.0521 | 0.84441 |
| 0.72046 | 1.11E-08 | 0.3273 | 0.6727 | 0.1031 | 0.05227 | 0.84463 |
| 0.72148 | 1.23E-08 | 0.32626 | 0.67374 | 0.10272 | 0.05244 | 0.84484 |
| 0.7225 | 1.35E-08 | 0.32522 | 0.67478 | 0.10234 | 0.0526 | 0.84506 |
| 0.72352 | 1.49E-08 | 0.32419 | 0.67581 | 0.10196 | 0.05277 | 0.84527 |
| 0.72454 | 1.64E-08 | 0.32315 | 0.67685 | 0.10157 | 0.05294 | 0.84549 |
| 0.72557 | 1.81E-08 | 0.32212 | 0.67788 | 0.10119 | 0.05311 | 0.8457 |
| 0.72659 | 1.99E-08 | 0.32108 | 0.67892 | 0.1008 | 0.05328 | 0.84592 |

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| 0.72761 | 2.19E-08 | 0.32004 | 0.67996 | 0.10042 | 0.05345 | 0.84613 |
| 0.72863 | 2.41E-08 | 0.31901 | 0.68099 | 0.10003 | 0.05362 | 0.84635 |
| 0.72965 | 2.65E-08 | 0.31797 | 0.68203 | 0.09964 | 0.05379 | 0.84656 |
| 0.73067 | 2.92E-08 | 0.31693 | 0.68307 | 0.09926 | 0.05397 | 0.84678 |
| 0.73169 | 3.21E-08 | 0.3159 | 0.6841 | 0.09887 | 0.05414 | 0.84699 |
| 0.73271 | 3.54E-08 | 0.31486 | 0.68514 | 0.09848 | 0.05432 | 0.8472 |
| 0.73373 | 3.89E-08 | 0.31382 | 0.68618 | 0.09809 | 0.05449 | 0.84742 |
| 0.73475 | 4.28E-08 | 0.31278 | 0.68722 | 0.0977 | 0.05467 | 0.84763 |
| 0.73577 | 4.70E-08 | 0.31175 | 0.68825 | 0.09731 | 0.05485 | 0.84784 |
| 0.73679 | 5.17E-08 | 0.31071 | 0.68929 | 0.09691 | 0.05503 | 0.84806 |
| 0.73781 | 5.69E-08 | 0.30967 | 0.69033 | 0.09652 | 0.05521 | 0.84827 |
| 0.73883 | 6.25E-08 | 0.30864 | 0.69136 | 0.09613 | 0.05539 | 0.84848 |
| 0.73985 | 6.87E-08 | 0.3076 | 0.6924 | 0.09573 | 0.05557 | 0.8487 |
| 0.74087 | 7.54E-08 | 0.30656 | 0.69344 | 0.09534 | 0.05576 | 0.84891 |
| 0.74189 | 8.29E-08 | 0.30552 | 0.69448 | 0.09494 | 0.05594 | 0.84912 |
| 0.74291 | 9.10E-08 | 0.30449 | 0.69551 | 0.09454 | 0.05613 | 0.84933 |
| 0.74393 | 1.00E-07 | 0.30345 | 0.69655 | 0.09414 | 0.05631 | 0.84955 |
| 0.74495 | 1.10E-07 | 0.30241 | 0.69759 | 0.09374 | 0.0565 | 0.84976 |
| 0.74597 | 1.21E-07 | 0.30137 | 0.69863 | 0.09334 | 0.05669 | 0.84997 |
| 0.74699 | 1.32E-07 | 0.30033 | 0.69967 | 0.09294 | 0.05688 | 0.85018 |
| 0.74801 | 1.45E-07 | 0.2993 | 0.7007 | 0.09254 | 0.05707 | 0.85039 |
| 0.74903 | 1.59E-07 | 0.29826 | 0.70174 | 0.09214 | 0.05726 | 0.8506 |
| 0.75006 | 1.75E-07 | 0.29722 | 0.70278 | 0.09174 | 0.05745 | 0.85081 |
| 0.75108 | 1.92E-07 | 0.29618 | 0.70382 | 0.09133 | 0.05764 | 0.85103 |
| 0.7521 | 2.10E-07 | 0.29514 | 0.70486 | 0.09093 | 0.05784 | 0.85124 |
| 0.75312 | 2.30E-07 | 0.2941 | 0.7059 | 0.09052 | 0.05803 | 0.85145 |
| 0.75414 | 2.53E-07 | 0.29307 | 0.70693 | 0.09011 | 0.05823 | 0.85166 |
| 0.75516 | 2.77E-07 | 0.29203 | 0.70797 | 0.0897 | 0.05843 | 0.85187 |
| 0.75618 | 3.03E-07 | 0.29099 | 0.70901 | 0.08929 | 0.05863 | 0.85208 |
| 0.7572 | 3.32E-07 | 0.28995 | 0.71005 | 0.08888 | 0.05883 | 0.85229 |
| 0.75822 | 3.64E-07 | 0.28891 | 0.71109 | 0.08847 | 0.05903 | 0.8525 |
| 0.75924 | 3.99E-07 | 0.28787 | 0.71213 | 0.08806 | 0.05923 | 0.85271 |
| 0.76026 | 4.37E-07 | 0.28683 | 0.71317 | 0.08765 | 0.05944 | 0.85292 |
| 0.76128 | 4.78E-07 | 0.28579 | 0.7142 | 0.08723 | 0.05964 | 0.85313 |
| 0.7623 | 5.23E-07 | 0.28476 | 0.71524 | 0.08682 | 0.05985 | 0.85333 |
| 0.76332 | 5.72E-07 | 0.28372 | 0.71628 | 0.0864 | 0.06005 | 0.85354 |
| 0.76434 | 6.26E-07 | 0.28268 | 0.71732 | 0.08599 | 0.06026 | 0.85375 |
| 0.76536 | 6.85E-07 | 0.28164 | 0.71836 | 0.08557 | 0.06047 | 0.85396 |
| 0.76638 | 7.49E-07 | 0.2806 | 0.7194 | 0.08515 | 0.06069 | 0.85417 |
| 0.7674 | 8.19E-07 | 0.27956 | 0.72044 | 0.08473 | 0.0609 | 0.85437 |
| 0.76842 | 8.95E-07 | 0.27852 | 0.72148 | 0.08431 | 0.06111 | 0.85458 |
| 0.76944 | 9.78E-07 | 0.27748 | 0.72252 | 0.08388 | 0.06133 | 0.85479 |
| 0.77046 | 1.07E-06 | 0.27644 | 0.72356 | 0.08346 | 0.06155 | 0.855 |
| 0.77148 | 1.17E-06 | 0.2754 | 0.7246 | 0.08303 | 0.06176 | 0.8552 |
| 0.7725 | 1.28E-06 | 0.27436 | 0.72564 | 0.08261 | 0.06198 | 0.85541 |
| 0.77352 | 1.39E-06 | 0.27332 | 0.72668 | 0.08218 | 0.0622 | 0.85562 |
| 0.77454 | 1.52E-06 | 0.27228 | 0.72772 | 0.08175 | 0.06243 | 0.85582 |
| 0.77557 | 1.66E-06 | 0.27124 | 0.72875 | 0.08132 | 0.06265 | 0.85603 |
| 0.77659 | 1.81E-06 | 0.2702 | 0.72979 | 0.08089 | 0.06288 | 0.85623 |
| 0.77761 | 1.97E-06 | 0.26916 | 0.73083 | 0.08046 | 0.0631 | 0.85644 |
| 0.77863 | 2.15E-06 | 0.26812 | 0.73187 | 0.08002 | 0.06333 | 0.85664 |
| 0.77965 | 2.35E-06 | 0.26708 | 0.73291 | 0.07959 | 0.06356 | 0.85685 |

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| 0.78067 | 2.56E-06 | 0.26604 | 0.73395 | 0.07915 | 0.0638 | 0.85705 |
| 0.78169 | 2.79E-06 | 0.265 | 0.73499 | 0.07872 | 0.06403 | 0.85725 |
| 0.78271 | 3.04E-06 | 0.26396 | 0.73603 | 0.07828 | 0.06426 | 0.85746 |
| 0.78373 | 3.31E-06 | 0.26292 | 0.73707 | 0.07784 | 0.0645 | 0.85766 |
| 0.78475 | 3.60E-06 | 0.26188 | 0.73811 | 0.0774 | 0.06474 | 0.85786 |
| 0.78577 | 3.92E-06 | 0.26084 | 0.73915 | 0.07695 | 0.06498 | 0.85807 |
| 0.78679 | 4.27E-06 | 0.2598 | 0.74019 | 0.07651 | 0.06522 | 0.85827 |
| 0.78781 | 4.65E-06 | 0.25876 | 0.74123 | 0.07607 | 0.06547 | 0.85847 |
| 0.78883 | 5.06E-06 | 0.25772 | 0.74228 | 0.07562 | 0.06571 | 0.85867 |
| 0.78985 | 5.50E-06 | 0.25668 | 0.74332 | 0.07517 | 0.06596 | 0.85887 |
| 0.79087 | 5.98E-06 | 0.25564 | 0.74436 | 0.07472 | 0.06621 | 0.85907 |
| 0.79189 | 6.50E-06 | 0.2546 | 0.7454 | 0.07427 | 0.06646 | 0.85927 |
| 0.79291 | 7.06E-06 | 0.25356 | 0.74644 | 0.07382 | 0.06671 | 0.85947 |
| 0.79393 | 7.67E-06 | 0.25251 | 0.74748 | 0.07336 | 0.06697 | 0.85967 |
| 0.79495 | 8.33E-06 | 0.25147 | 0.74852 | 0.07291 | 0.06722 | 0.85987 |
| 0.79597 | 9.05E-06 | 0.25043 | 0.74956 | 0.07245 | 0.06748 | 0.86007 |
| 0.79699 | 9.82E-06 | 0.24939 | 0.7506 | 0.07199 | 0.06774 | 0.86026 |
| 0.79801 | 1.07E-05 | 0.24835 | 0.75164 | 0.07153 | 0.06801 | 0.86046 |
| 0.79903 | 1.16E-05 | 0.24731 | 0.75268 | 0.07107 | 0.06827 | 0.86066 |
| 0.80006 | 1.25E-05 | 0.24626 | 0.75372 | 0.07061 | 0.06854 | 0.86085 |
| 0.80108 | 1.36E-05 | 0.24522 | 0.75476 | 0.07014 | 0.06881 | 0.86105 |
| 0.8021 | 1.47E-05 | 0.24418 | 0.7558 | 0.06968 | 0.06908 | 0.86124 |
| 0.80312 | 1.60E-05 | 0.24314 | 0.75685 | 0.06921 | 0.06935 | 0.86144 |
| 0.80414 | 1.73E-05 | 0.2421 | 0.75789 | 0.06874 | 0.06963 | 0.86163 |
| 0.80516 | 1.87E-05 | 0.24105 | 0.75893 | 0.06827 | 0.06991 | 0.86182 |
| 0.80618 | 2.03E-05 | 0.24001 | 0.75997 | 0.06779 | 0.07019 | 0.86202 |
| 0.8072 | 2.20E-05 | 0.23897 | 0.76101 | 0.06732 | 0.07047 | 0.86221 |
| 0.80822 | 2.38E-05 | 0.23792 | 0.76205 | 0.06684 | 0.07076 | 0.8624 |
| 0.80924 | 2.57E-05 | 0.23688 | 0.7631 | 0.06636 | 0.07105 | 0.86259 |
| 0.81026 | 2.78E-05 | 0.23583 | 0.76414 | 0.06588 | 0.07134 | 0.86278 |
| 0.81128 | 3.00E-05 | 0.23479 | 0.76518 | 0.0654 | 0.07163 | 0.86297 |
| 0.8123 | 3.25E-05 | 0.23374 | 0.76622 | 0.06492 | 0.07193 | 0.86315 |
| 0.81332 | 3.51E-05 | 0.2327 | 0.76727 | 0.06443 | 0.07223 | 0.86334 |
| 0.81434 | 3.79E-05 | 0.23165 | 0.76831 | 0.06394 | 0.07253 | 0.86353 |
| 0.81536 | 4.09E-05 | 0.23061 | 0.76935 | 0.06345 | 0.07284 | 0.86371 |
| 0.81638 | 4.41E-05 | 0.22956 | 0.7704 | 0.06296 | 0.07314 | 0.8639 |
| 0.8174 | 4.76E-05 | 0.22851 | 0.77144 | 0.06246 | 0.07346 | 0.86408 |
| 0.81842 | 5.14E-05 | 0.22746 | 0.77248 | 0.06197 | 0.07377 | 0.86426 |
| 0.81944 | 5.54E-05 | 0.22642 | 0.77353 | 0.06147 | 0.07409 | 0.86444 |
| 0.82046 | 5.97E-05 | 0.22537 | 0.77457 | 0.06097 | 0.07441 | 0.86462 |
| 0.82148 | 6.43E-05 | 0.22432 | 0.77562 | 0.06047 | 0.07473 | 0.8648 |
| 0.8225 | 6.93E-05 | 0.22327 | 0.77666 | 0.05996 | 0.07506 | 0.86498 |
| 0.82352 | 7.47E-05 | 0.22222 | 0.77771 | 0.05945 | 0.07539 | 0.86516 |
| 0.82454 | 8.04E-05 | 0.22116 | 0.77875 | 0.05894 | 0.07572 | 0.86533 |
| 0.82557 | 8.65E-05 | 0.22011 | 0.7798 | 0.05843 | 0.07606 | 0.86551 |
| 0.82659 | 9.31E-05 | 0.21906 | 0.78085 | 0.05792 | 0.0764 | 0.86568 |
| 0.82761 | 1.00E-04 | 0.218 | 0.7819 | 0.0574 | 0.07675 | 0.86585 |
| 0.82863 | 1.08E-04 | 0.21695 | 0.78294 | 0.05688 | 0.0771 | 0.86602 |
| 0.82965 | 1.16E-04 | 0.21589 | 0.78399 | 0.05636 | 0.07745 | 0.86619 |
| 0.83067 | 1.24E-04 | 0.21483 | 0.78504 | 0.05583 | 0.07781 | 0.86636 |
| 0.83169 | 1.34E-04 | 0.21377 | 0.78609 | 0.05531 | 0.07817 | 0.86653 |
| 0.83271 | 1.44E-04 | 0.21271 | 0.78714 | 0.05478 | 0.07853 | 0.86669 |

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| 0.83373 | 1.54E-04 | 0.21165 | 0.7882 | 0.05425 | 0.0789 | 0.86685 |
| 0.83475 | 1.65E-04 | 0.21059 | 0.78925 | 0.05371 | 0.07928 | 0.86701 |
| 0.83577 | 1.77E-04 | 0.20952 | 0.7903 | 0.05317 | 0.07966 | 0.86717 |
| 0.83679 | 1.90E-04 | 0.20845 | 0.79136 | 0.05263 | 0.08004 | 0.86733 |
| 0.83781 | 2.04E-04 | 0.20738 | 0.79241 | 0.05209 | 0.08043 | 0.86748 |
| 0.83883 | 2.19E-04 | 0.20631 | 0.79347 | 0.05154 | 0.08082 | 0.86763 |
| 0.83985 | 2.35E-04 | 0.20524 | 0.79453 | 0.05099 | 0.08122 | 0.86778 |
| 0.84087 | 2.51E-04 | 0.20416 | 0.79559 | 0.05044 | 0.08163 | 0.86793 |
| 0.84189 | 2.69E-04 | 0.20308 | 0.79665 | 0.04988 | 0.08204 | 0.86808 |
| 0.84291 | 2.88E-04 | 0.202 | 0.79771 | 0.04933 | 0.08245 | 0.86822 |
| 0.84393 | 3.09E-04 | 0.20092 | 0.79877 | 0.04876 | 0.08288 | 0.86836 |
| 0.84495 | 3.31E-04 | 0.19983 | 0.79984 | 0.0482 | 0.0833 | 0.8685 |
| 0.84597 | 3.54E-04 | 0.19874 | 0.80091 | 0.04763 | 0.08374 | 0.86863 |
| 0.84699 | 3.79E-04 | 0.19764 | 0.80198 | 0.04705 | 0.08418 | 0.86877 |
| 0.84801 | 4.05E-04 | 0.19655 | 0.80305 | 0.04648 | 0.08463 | 0.86889 |
| 0.84903 | 4.33E-04 | 0.19544 | 0.80412 | 0.0459 | 0.08508 | 0.86902 |
| 0.85006 | 4.63E-04 | 0.19434 | 0.8052 | 0.04531 | 0.08555 | 0.86914 |
| 0.85108 | 4.95E-04 | 0.19323 | 0.80628 | 0.04472 | 0.08602 | 0.86926 |
| 0.8521 | 5.29E-04 | 0.19211 | 0.80736 | 0.04413 | 0.0865 | 0.86937 |
| 0.85312 | 5.65E-04 | 0.19099 | 0.80844 | 0.04353 | 0.08698 | 0.86949 |
| 0.85414 | 6.04E-04 | 0.18987 | 0.80953 | 0.04293 | 0.08748 | 0.86959 |
| 0.85516 | 6.46E-04 | 0.18873 | 0.81062 | 0.04232 | 0.08798 | 0.86969 |
| 0.85618 | 6.90E-04 | 0.1876 | 0.81171 | 0.04171 | 0.0885 | 0.86979 |
| 0.8572 | 7.37E-04 | 0.18645 | 0.81281 | 0.04109 | 0.08902 | 0.86988 |
| 0.85822 | 7.87E-04 | 0.1853 | 0.81391 | 0.04047 | 0.08956 | 0.86997 |
| 0.85924 | 8.40E-04 | 0.18414 | 0.81502 | 0.03984 | 0.0901 | 0.87005 |
| 0.86026 | 8.97E-04 | 0.18297 | 0.81613 | 0.03921 | 0.09066 | 0.87013 |
| 0.86128 | 9.58E-04 | 0.18179 | 0.81725 | 0.03857 | 0.09123 | 0.8702 |
| 0.8623 | 0.00102 | 0.18061 | 0.81837 | 0.03793 | 0.09181 | 0.87026 |
| 0.86332 | 0.00109 | 0.17941 | 0.8195 | 0.03727 | 0.09241 | 0.87032 |
| 0.86434 | 0.00117 | 0.1782 | 0.82063 | 0.03662 | 0.09302 | 0.87037 |
| 0.86536 | 0.00125 | 0.17698 | 0.82177 | 0.03595 | 0.09364 | 0.87041 |
| 0.86638 | 0.00133 | 0.17575 | 0.82292 | 0.03528 | 0.09429 | 0.87044 |
| 0.8674 | 0.00142 | 0.1745 | 0.82407 | 0.03459 | 0.09494 | 0.87046 |
| 0.86842 | 0.00152 | 0.17324 | 0.82524 | 0.0339 | 0.09562 | 0.87048 |
| 0.86944 | 0.00163 | 0.17196 | 0.82641 | 0.0332 | 0.09632 | 0.87048 |
| 0.87046 | 0.00174 | 0.17066 | 0.8276 | 0.03249 | 0.09704 | 0.87047 |
| 0.87148 | 0.00186 | 0.16935 | 0.82879 | 0.03177 | 0.09778 | 0.87045 |
| 0.8725 | 0.00199 | 0.16801 | 0.83 | 0.03104 | 0.09855 | 0.87041 |
| 0.87352 | 0.00213 | 0.16665 | 0.83122 | 0.0303 | 0.09934 | 0.87036 |
| 0.87454 | 0.00228 | 0.16526 | 0.83246 | 0.02954 | 0.10016 | 0.8703 |
| 0.87557 | 0.00245 | 0.16384 | 0.83372 | 0.02877 | 0.10102 | 0.87021 |
| 0.87659 | 0.00263 | 0.16238 | 0.83499 | 0.02798 | 0.10191 | 0.87011 |
| 0.87761 | 0.00282 | 0.16089 | 0.83629 | 0.02717 | 0.10285 | 0.86998 |
| 0.87863 | 0.00304 | 0.15936 | 0.83761 | 0.02634 | 0.10383 | 0.86983 |
| 0.87965 | 0.00327 | 0.15777 | 0.83895 | 0.02549 | 0.10486 | 0.86964 |
| 0.88067 | 0.00353 | 0.15613 | 0.84034 | 0.02462 | 0.10596 | 0.86942 |
| 0.88169 | 0.00382 | 0.15442 | 0.84176 | 0.02371 | 0.10712 | 0.86917 |
| 0.88271 | 0.00415 | 0.15263 | 0.84322 | 0.02277 | 0.10837 | 0.86886 |
| 0.88373 | 0.00451 | 0.15074 | 0.84475 | 0.02178 | 0.10973 | 0.8685 |
| 0.88475 | 0.00493 | 0.14872 | 0.84635 | 0.02073 | 0.11121 | 0.86806 |

FIG.3c

| $C_S$ | $\phi P1$ | $\phi P2$ | $\phi O1$ | $\Phi O2$ | $\phi S1$ | $\Phi S2$ |
|---|---|---|---|---|---|---|
| 0.007 | 0 | 0.75039 | 0.99976 | 8.69E-04 | 2.37E-04 | 0.24874 |
| 0.01 | 0 | 0.65077 | 0.99913 | 0.00207 | 8.67E-04 | 0.34805 |
| 0.03 | 0 | 0.55158 | 0.98916 | 5.93E-04 | 0.01084 | 0.44631 |
| 0.05 | 0 | 0.46383 | 0.97736 | 0.00505 | 0.02264 | 0.53281 |
| 0.1 | 0 | 0.38525 | 0.93007 | 0.00197 | 0.06993 | 0.6104 |
| 0.2 | 0 | 0.3331 | 0.83727 | 0.00714 | 0.16273 | 0.66104 |
| 0.3 | 0 | 0.2924 | 0.73514 | 0.007 | 0.26486 | 0.70066 |
| 0.4 | 0 | 0.25132 | 0.638 | 0.00816 | 0.362 | 0.7372 |
| 0.5 | 0 | 0.2194 | 0.53894 | 0.01045 | 0.46106 | 0.76326 |
| 0.6 | 2.70E-04 | 0.18101 | 0.43709 | 0.02465 | 0.56264 | 0.78468 |
| 0.7 | 9.11E-04 | 0.14572 | 0.33124 | 0.03643 | 0.66785 | 0.8033 |
| 0.8 | 0.00105 | 0.10439 | 0.21938 | 0.09186 | 0.77957 | 0.80375 |

FIG.4

| $C_S$ | $A$ | $B$ | $AB$ | $H$ |
|---|---|---|---|---|
| 0 | 1 | 1 | 1 | 1 |
| 0.005 | 0.1504 | 0.09797 | 0.09267 | 0.0866 |
| 0.01 | 0.166 | 0.10324 | 0.10322 | 0.10025 |
| 0.03 | 0.1862 | 0.11486 | 0.12764 | 0.12115 |
| 0.05 | 0.20747 | 0.13514 | 0.1487 | 0.138 |
| 0.1 | 0.2074 | 0.1393 | 0.1512 | 0.15098 |
| 0.2 | 0.22371 | 0.15914 | 0.17043 | 0.16675 |
| 0.3 | 0.23552 | 0.18256 | 0.2101 | 0.1811 |
| 0.4 | 0.27349 | 0.18549 | 0.23446 | 0.19265 |
| 0.5 | 0.25256 | 0.20823 | 0.21813 | 0.2024 |
| 0.6 | 0.2703 | 0.38404 | 0.38687 | 0.22101 |
| 0.7 | 0.54944 | 0.5724 | 0.58975 | 0.24382 |
| 0.8 | 0.98499 | 0.99181 | 0.9962 | 0.57865 |
| 0.9 | 0.99854 | 0.9865 | 1.00418 | 1 |
| 1 | 1.00242 | 1.0014 | 1.00112 | 1.00338 |

FIG.S2a

| $r$ | $H$ | $O$ | $S$ |
|---|---|---|---|
| 1 | 0.3 | 0 | 0.7 |
| 2 | 0.34483 | 0 | 0.65517 |
| 3 | 0.24691 | 0 | 0.75309 |
| 4 | 0.25161 | 0 | 0.74839 |
| 5 | 0.308 | 0 | 0.692 |
| 6 | 0.25538 | 0 | 0.74462 |
| 7 | 0.28182 | 0 | 0.71818 |
| 8 | 0.27352 | 0 | 0.72648 |
| 9 | 0.28368 | 0 | 0.71632 |
| 10 | 0.2672 | 0 | 0.7328 |
| 11 | 0.26815 | 0.00144 | 0.73041 |
| 12 | 0.27443 | 0 | 0.72557 |
| 13 | 0.24562 | 5.15E-04 | 0.75386 |
| 14 | 0.25498 | 0 | 0.74502 |
| 15 | 0.25793 | 0.00566 | 0.7364 |
| 16 | 0.15926 | 0.1075 | 0.73325 |

| | | | |
|---|---|---|---|
| 17 | 0.03318 | 0.47181 | 0.49501 |
| 18 | 8.03E-04 | 0.78147 | 0.21773 |
| 19 | 0 | 0.85739 | 0.14261 |
| 20 | 0 | 0.86601 | 0.13399 |
| 21 | 0 | 0.86964 | 0.13036 |
| 22 | 0 | 0.85736 | 0.14264 |
| 23 | 0 | 0.86018 | 0.13982 |
| 24 | 0 | 0.85103 | 0.14897 |
| 25 | 0 | 0.85402 | 0.14598 |
| 26 | 0 | 0.85865 | 0.14135 |
| 27 | 0 | 0.85932 | 0.14068 |
| 28 | 0 | 0.85664 | 0.14336 |
| 29 | 0 | 0.85243 | 0.14757 |
| 30 | 0 | 0.85795 | 0.14205 |

FIG.S2b

| *r* | *H* | *O* | *S* |
|---|---|---|---|
| 1 | 0.25 | 0 | 0.75 |
| 2 | 0.3 | 0.03333 | 0.66667 |
| 3 | 0 | 0.24051 | 0.75949 |
| 4 | 0 | 0.77707 | 0.22293 |
| 5 | 0 | 0.86381 | 0.13619 |
| 6 | 0 | 0.82011 | 0.17989 |
| 7 | 0 | 0.79888 | 0.20112 |
| 8 | 0 | 0.82553 | 0.17447 |
| 9 | 0 | 0.79712 | 0.20288 |
| 10 | 0 | 0.77583 | 0.22417 |
| 11 | 0 | 0.78649 | 0.21351 |
| 12 | 0 | 0.81683 | 0.18317 |
| 13 | 0 | 0.79858 | 0.20142 |
| 14 | 0 | 0.77982 | 0.22018 |
| 15 | 0 | 0.79021 | 0.20979 |
| 16 | 0 | 0.80674 | 0.19326 |
| 17 | 0 | 0.79994 | 0.20006 |
| 18 | 0 | 0.80287 | 0.19713 |
| 19 | 0 | 0.80227 | 0.19773 |
| 20 | 0 | 0.79933 | 0.20067 |
| 21 | 0 | 0.7939 | 0.2061 |
| 22 | 0 | 0.80402 | 0.19598 |
| 23 | 0 | 0.80154 | 0.19846 |
| 24 | 0 | 0.80455 | 0.19545 |
| 25 | 0 | 0.78983 | 0.21018 |
| 26 | 0 | 0.79884 | 0.20116 |
| 27 | 0 | 0.80171 | 0.19829 |
| 28 | 0 | 0.80918 | 0.19082 |
| 29 | 0 | 0.79907 | 0.20093 |
| 30 | 0 | 0.80192 | 0.19808 |

FIG.S3a

| *Cs* | *NBA* | *NBB* | *NBS* | *NBO* |
|---|---|---|---|---|
| 0 | 0.15403 | 2.79186 | 0 | 15.05411 |
| 0.1 | 0.1339 | 2.69126 | 15.02243 | 0.15242 |

| | | | | |
|---|---|---|---|---|
| 0.2 | 0.13028 | 1.99913 | 15.79687 | 0.07371 |
| 0.3 | 0.12832 | 1.8031 | 16.0183 | 0.05028 |
| 0.4 | 0.12712 | 1.77083 | 16.05835 | 0.04369 |
| 0.5 | 0.12732 | 1.76548 | 16.07248 | 0.03472 |
| 0.6 | 0.12703 | 1.75752 | 16.0762 | 0.03925 |
| 0.7 | 0.12674 | 1.75347 | 16.06047 | 0.05932 |
| 0.8 | 0.12587 | 1.75289 | 16.06366 | 0.05758 |
| 0.9 | 0.12558 | 1.75058 | 16.09578 | 0.02807 |
| 1 | 0.12587 | 1.75193 | 16.1222 | 0 |

FIG.S3b

| *Cs* | *NBA* | *NBB* | *NBS* | *NBO* |
|---|---|---|---|---|
| 0 | 0.125 | 2.25 | 0 | 15.625 |
| 0.03 | 0.125 | 2.25 | 13.25 | 2.375 |
| 0.07 | 0.125 | 2 | 13.75 | 2.125 |
| 0.1 | 0.125 | 2 | 14.25 | 1.625 |
| 0.17 | 0.125 | 1.75 | 14.875 | 1.25 |
| 0.2 | 0.125 | 1.75 | 14.875 | 1.25 |
| 0.3 | 0.125 | 1.75 | 15.5 | 0.625 |
| 0.4 | 0.125 | 1.75 | 15.5 | 0.625 |
| 0.5 | 0.125 | 1.75 | 15.875 | 0.25 |
| 0.6 | 0.125 | 1.75 | 15.875 | 0.25 |
| 0.7 | 0.125 | 1.75 | 16.125 | 0 |
| 0.8 | 0.125 | 1.75 | 16.125 | 0 |
| 0.9 | 0.125 | 1.75 | 16.125 | 0 |
| 1 | 0.125 | 1.75 | 16.125 | 0 |

FIG.S3c

| *Cs* | *NHH* | *NHS* | *NHO* |
|---|---|---|---|
| 0 | 3.11065 | 0 | 14.88935 |
| 0.1 | 2.7875 | 15.05417 | 0.15833 |
| 0.2 | 2.16343 | 15.75741 | 0.07917 |
| 0.3 | 1.88657 | 16.06296 | 0.05046 |
| 0.4 | 1.82407 | 16.1375 | 0.03843 |
| 0.5 | 1.81435 | 16.15857 | 0.02708 |
| 0.6 | 1.81204 | 16.15694 | 0.03102 |
| 0.7 | 1.80648 | 16.16736 | 0.02616 |
| 0.8 | 1.80417 | 16.15162 | 0.04421 |
| 0.9 | 1.80185 | 16.19861 | 0 |
| 1 | 1.80139 | 16.19861 | 0 |

FIG.S3d

| *Cs* | *NHH* | *NHS* | *NHO* |
|---|---|---|---|
| 0 | 3 | 0 | 15 |
| 0.04 | 1.8 | 16.2 | 0 |
| 0.06 | 1.8 | 16.2 | 0 |
| 0.1 | 1.8 | 16.2 | 0 |
| 0.2 | 1.8 | 16.2 | 0 |
| 0.3 | 1.8 | 16.2 | 0 |
| 0.4 | 1.8 | 16.2 | 0 |
| 0.5 | 1.8 | 16.2 | 0 |
| 0.6 | 1.8 | 16.2 | 0 |
| 0.7 | 1.8 | 16.2 | 0 |
| 0.8 | 1.8 | 16.2 | 0 |

| | | | |
|---|---|---|---|
| 0.9 | 1.8 | 16.2 | 0 |
| 1 | 1.8 | 16.2 | 0 |

FIG.S4

| *Cs* | *H10* | *H30* |
|---|---|---|
| 0 | 1.20707 | 1.45534 |
| 0.03 | 0.63255 | 0.47578 |
| 0.05 | 0.66035 | 0.50802 |
| 0.07 | 0.69808 | 0.53164 |
| 0.1 | 0.72925 | 0.54799 |
| 0.13 | 0.77445 | 0.5897 |
| 0.15 | 0.7958 | 0.59703 |
| 0.17 | 0.81315 | 0.61099 |
| 0.2 | 0.83405 | 0.61957 |
| 0.25 | 0.88579 | 0.6743 |
| 0.3 | 0.94454 | 0.7079 |
| 0.35 | 1.01954 | 0.75296 |
| 0.4 | 1.06506 | 0.85832 |
| 0.45 | 1.17364 | 0.9927 |
| 0.5 | 1.27133 | 1.09717 |
| 0.55 | 1.39445 | 1.29721 |
| 0.6 | 1.46835 | 1.45541 |
| 0.65 | 1.54892 | 1.72068 |
| 0.7 | 1.66449 | 1.97342 |
| 0.75 | 1.74776 | 2.12155 |
| 0.8 | 1.86077 | 2.26801 |
| 0.85 | 1.90063 | |
| 0.9 | 1.9736 | 2.49655 |
| 1 | 2.11407 | 2.95577 |