| | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| algorithm 1 | 7.81E-06 | 4.48E-06 | 3.68E-06 | 3.86E-06 | 4.42E-06 | 4.32E-06 | 4.64E-06 | 4.76E-06 | 5.20E-06 | 5.19E-06 | 7.82E-06 | 1.02E-05 | 1.23E-05 | 1.44E-05 | 1.64E-05 | 1.84E-05 | 2.05E-05 | 2.26E-05 | 2.46E-05 |
| algorithm 2 | 3.14E-06 | 3.34E-06 | 3.42E-06 | 3.43E-06 | 3.81E-06 | 4.03E-06 | 4.19E-06 | 4.38E-06 | 4.18E-06 | 4.37E-06 | 5.86E-06 | 7.66E-06 | 9.04E-06 | 1.03E-05 | 1.16E-05 | 1.28E-05 | 1.41E-05 | 1.54E-05 | 1.67E-05 |
| algorithm 3 | 3.02E-06 | 3.15E-06 | 3.21E-06 | 3.12E-06 | 3.45E-06 | 3.46E-06 | 3.40E-06 | 3.78E-06 | 3.84E-06 | 3.89E-06 | 4.87E-06 | 5.62E-06 | 6.51E-06 | 7.23E-06 | 7.86E-06 | 8.67E-06 | 9.34E-06 | 9.99E-06 | 1.06E-05 |
| algorithm 4 | 3.12E-06 | 3.24E-06 | 3.34E-06 | 3.66E-06 | 3.72E-06 | 3.89E-06 | 4.12E-06 | 4.11E-06 | 4.40E-06 | 4.38E-06 | 6.08E-06 | 7.09E-06 | 8.33E-06 | 9.70E-06 | 1.07E-05 | 1.19E-05 | 1.28E-05 | 1.40E-05 | 1.50E-05 |
| | | | | | | | | | | | | | | | | | | | |
| algorithm 1 Theorectical | 1.05E-07 | 2.61E-07 | 4.17E-07 | 5.73E-07 | 7.29E-07 | 8.85E-07 | 1.04E-06 | 1.2E-06 | 1.35E-06 | 1.51E-06 | 3.07E-06 | 4.63E-06 | 6.19E-06 | 7.75E-06 | 9.31E-06 | 1.09E-05 | 1.24E-05 | 1.4E-05 | 1.55E-05 |
| algorithm 2 Theorectical | 1.1E-07 | 2.6E-07 | 4.1E-07 | 5.6E-07 | 7.1E-07 | 8.6E-07 | 1.01E-06 | 1.16E-06 | 1.31E-06 | 1.46E-06 | 2.96E-06 | 4.46E-06 | 5.96E-06 | 7.46E-06 | 8.96E-06 | 1.05E-05 | 1.2E-05 | 1.35E-05 | 1.5E-05 |
| algorithm 3 Theorectical | 3.41E-07 | 9.51E-08 | 1.56E-07 | 2.17E-07 | 2.78E-07 | 3.39E-07 | 4E-07 | 4.61E-07 | 5.22E-07 | 5.83E-07 | 1.19E-06 | 1.8E-06 | 2.41E-06 | 3.02E-06 | 3.63E-06 | 4.24E-06 | 4.85E-06 | 5.46E-06 | 6.07E-06 |
| algorithm 4 Theorectical | 4.42E-07 | 6.05E-07 | 7.52E-07 | 8.93E-07 | 1.03E-06 | 1.17E-06 | 1.3E-06 | 1.43E-06 | 1.56E-06 | 1.69E-06 | 2.98E-06 | 4.25E-06 | 5.52E-06 | 6.78E-06 | 8.04E-06 | 9.3E-06 | 1.06E-05 | 1.18E-05 | 1.31E-05 |



Algorithm 1 — $y = 2.09\text{E-}08x + 3.75\text{E-}06$; $y = 1.56\text{E-}08x - 5.10\text{E-}08$

Algorithm 2 — $y = 1.38\text{E-}08x + 3.14\text{E-}06$; $y = 1.50\text{E-}08x - 4.04\text{E-}08$

Algorithm 3 — $y = 7.86\text{E-}09x + 3.07\text{E-}06$; $y = 6.05\text{E-}09x + 3.71\text{E-}09$

Algorithm 4 — $y = 1.27\text{E-}08x + 3.98\text{E-}07$; $y = 6.05\text{E-}09x + 3.71\text{E-}09$

Algorithms Theoretical

Algorithms Real