|  |  |  |
| --- | --- | --- |
| Iteration | Result | Error |
| 0 | 16.4767187 | 1.9232e+01 |
| 1 | 12.1380631 | 4.3387e+00 |
| 2 | 11.0646833 | 1.0734e+00 |
| 3 | 10.7969391 | 2.6774e-01 |
| 4 | 10.7300392 | 6.6900e-02 |
| 5 | 10.7133164 | 1.6723e-02 |
| 6 | 10.7091359 | 4.1805e-03 |
| 7 | 10.7080908 | 1.0451e-03 |
| 8 | 10.7078295 | 2.6128e-04 |
| 9 | 10.7077642 | 6.5320e-05 |
| 10 | 10.7077478 | 1.6330e-05 |
| 11 | 10.7077438 | 4.0825e-06 |

Integration method: trapezoidal. Total caculation time is: 0.32467 , the result is: 10.7077438 .

|  |  |  |
| --- | --- | --- |
| Iteration | Result | Error |
| 0 | 10.6918446 | 6.2594e-01 |
| 1 | 10.7068901 | 1.5046e-02 |
| 2 | 10.707691 | 8.0090e-04 |
| 3 | 10.7077392 | 4.8218e-05 |
| 4 | 10.7077422 | 2.9860e-06 |

Integration method: simpson. Total caculation time is: 0.00013113 , the result is: 10.7077422 .

|  |  |  |
| --- | --- | --- |
| Iteration | Result | Error |
| 0 | 11.1576355 | 1.3913e+01 |
| 1 | 10.7084958 | 4.4914e-01 |
| 2 | 10.7077424 | 7.5340e-04 |
| 3 | 10.7077424 | 9.5177e-12 |

Integration method: gaussian. Total caculation time is: 0.00075984 , the result is: 10.7077424 .

|  |  |  |
| --- | --- | --- |
| Iteration | Result | Error |
| 0 | 10.7184736 | 2.9191e+00 |
| 1 | 10.7077434 | 1.0730e-02 |
| 2 | 10.7077424 | 1.0429e-06 |

Integration method: gaussian in 2 parts. Total caculation time is: 0.00067091 , the result is: 10.7077424 .

