

Console

| n | xn f(Xn+1) | f(xn) Xn+2 | Xn+1 Error |
|---|-------------------------------|-------------------------------|------------------------------|
| 0 | 0.1000000000 -0.0008221520 | 4.9100661000 1.1998158445 | 1.2000000000 1.0998158445 |
| 1 | 1.2000000000 -0.0008365536 | -0.0008221520 1.2105129953 | 1.1998158445 0.0105129953 |
| 2 | 1.1998158445 -0.0000482604 | -0.0008365536 1.2111678896 | 1.2105129953 0.0113520451 |
| 3 | 1.2105129953 -0.0000031450 | -0.0000482604 1.2112135431 | 1.2111678896 0.0007005477 |
| 4 | 1.2111678896 -0.0000000133 | -0.0000031450 1.2112137374 | 1.2112135431 0.0000458478 |
| 5 | 1.2112135431 -0.0000000000 | -0.0000000133 1.2112137374 | 1.2112137374 0.0000001943 |
| 6 | 1.2112137374 0.0000000000 | -0.0000000000 1.2112137374 | 1.2112137374 0.0000000001 |

Therefore, the root is 1.2112137374