Bisection Thread

Bisection Thread Started

Bisection Thread Waiting Polynomial Equation Not Generated

Bisection Thread Started For Polynomial Equation No: 1

Iteration a= b= c= F\_At\_a F\_At\_b F\_At\_c

1 0.0 -4.0 -2.0 -5.0 67.0 -1.0

2 -2.0 -4.0 -3.0 -1.0 67.0 22.0

3 -2.0 -3.0 -2.5 -1.0 22.0 8.125

4 -2.0 -2.5 -2.25 -1.0 8.125 3.015625

5 -2.0 -2.25 -2.125 -1.0 3.015625 0.8769531

6 -2.0 -2.125 -2.0625 -1.0 0.8769531 -0.09350586

7 -2.0625 -2.125 -2.09375 -0.09350586 0.8769531 0.38363647

8 -2.0625 -2.09375 -2.078125 -0.09350586 0.38363647 0.14305496

9 -2.0625 -2.078125 -2.0703125 -0.09350586 0.14305496 0.024273396

10 -2.0625 -2.0703125 -2.0664062 -0.09350586 0.024273396 -0.034741342

11 -2.0664062 -2.0703125 -2.0683594 -0.034741342 0.024273396 -0.005265273

12 -2.0683594 -2.0703125 -2.069336 -0.005265273 0.024273396 0.009496233

13 -2.0683594 -2.069336 -2.0688477 -0.005265273 0.009496233 0.0021135234

14 -2.0683594 -2.0688477 -2.0686035 -0.005265273 0.0021135234 -0.0015763639

15 -2.0686035 -2.0688477 -2.0687256 -0.0015763639 0.0021135234 2.6845754E-4

16 -2.0686035 -2.0687256 -2.0686646 -0.0015763639 2.6845754E-4 -6.5398373E-4

17 -2.0686646 -2.0687256 -2.068695 -6.5398373E-4 2.6845754E-4 -1.9277075E-4

18 -2.068695 -2.0687256 -2.0687103 -1.9277075E-4 2.6845754E-4 3.784148E-5

Bisection Thread Computed Root Value:-2.0687103271484375

Number of Iterations Taken: 18

Bisection Thread Suspending ItSelf

Regula Falsi Thread

Regula Falsi Thread Started

Regula Falsi Thread Waiting Polynomial Equation Not Generated

Regula Falsi Thread Started For Polynomial Equation No: 1

Iteration a= b= c= F\_At\_a F\_At\_b F\_At\_c

1 0.0 -4.0 -0.2777778 -5.0 67.0 -6.4909124

2 -0.2777778 -4.0 -0.53626543 -5.0 67.0 -7.4882116

3 -0.53626543 -4.0 -0.77680254 -5.0 67.0 -7.985231

4 -0.77680254 -4.0 -1.0006357 -5.0 67.0 -7.9993625

5 -1.0006357 -4.0 -1.2089249 -5.0 67.0 -7.5637074

6 -1.2089249 -4.0 -1.4027495 -5.0 67.0 -6.7208858

7 -1.4027495 -4.0 -1.5831141 -5.0 67.0 -5.518503

8 -1.5831141 -4.0 -1.7509534 -5.0 67.0 -4.005905

9 -1.7509534 -4.0 -1.9071373 -5.0 67.0 -2.2318914

10 -1.9071373 -4.0 -2.052475 -5.0 67.0 -0.24317734

11 -2.052475 -4.0 -2.1877198 -5.0 67.0 1.916601

12 -2.052475 -2.1877198 -2.061867 -5.0 67.0 -0.10300586

13 -2.061867 -2.1877198 -2.0706067 -5.0 67.0 0.028728552

14 -2.061867 -2.0706067 -2.0624738 -5.0 67.0 -0.09389808

15 -2.0624738 -2.0706067 -2.0630386 -5.0 67.0 -0.085417375

16 -2.0630386 -2.0706067 -2.0635643 -5.0 67.0 -0.077520914

17 -2.0635643 -2.0706067 -2.0640533 -5.0 67.0 -0.070168756

18 -2.0640533 -2.0706067 -2.0645084 -5.0 67.0 -0.06332365

Root Value Computed By Bisection Thread

Regula Falsi Thread Suspending Itself