





main.c [Bisection method 2] - Code::Blocks 20.03

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<global> main(): void

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enter two initial guesses:

enter tolerable error:

0.001

step	x0	x1	x2	f(x2)
1	1.000000	2.000000	1.500000	0.875000
2	1.000000	1.500000	1.250000	-0.296875
3	1.250000	1.500000	1.375000	0.224609
4	1.250000	1.375000	1.312500	-0.051514
5	1.312500	1.375000	1.343750	0.082611
6	1.312500	1.343750	1.328125	0.014576
7	1.312500	1.328125	1.320313	-0.018711
8	1.320313	1.328125	1.324219	-0.002128
9	1.324219	1.328125	1.326172	0.006289
10	1.324219	1.326172	1.325195	0.002037
11	1.324219	1.325195	1.324707	-0.000046

Root is:1.324707

```
46 while(fabs(f2)>e)?  
47 x2=(x0+x1)/2;  
48 f2=f(x2);  
49 if(f2>0) x1=x2;  
50 else x0=x2;  
51 }  
52 return x2;  
53 }
```

Logs & others

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C:\Users\ELCOT\Documents\Private\Bisection method 2\main.c C/C++ Windows (CR-LF) WINDOWS-1252 Line 44, Col 18, Pos 1157 Insert Read/Write default ENG 11:26 09-05-2023