
Biseccion - raiz x1

n	a	b	m	f(a)	f(b)	f(m)
0	3.000000000	4.000000000	3.500000000	-4.023176381	19.467469803	6.430353229
1	3.000000000	3.500000000	3.250000000	-4.023176381	6.430353229	0.864386965
2	3.000000000	3.250000000	3.125000000	-4.023176381	0.864386965	-1.664915836
3	3.125000000	3.250000000	3.187500000	-1.664915836	0.864386965	-0.421605736
4	3.187500000	3.250000000	3.218750000	-0.421605736	0.864386965	0.216064433
5	3.187500000	3.218750000	3.203125000	-0.421605736	0.216064433	-0.104103536
6	3.203125000	3.218750000	3.210937500	-0.104103536	0.216064433	0.055647382
7	3.203125000	3.210937500	3.207031250	-0.104103536	0.055647382	-0.024311364
8	3.207031250	3.210937500	3.208984375	-0.024311364	0.055647382	0.015647190
9	3.207031250	3.208984375	3.208007812	-0.024311364	0.015647190	-0.004337292
10	3.208007812	3.208984375	3.208496094	-0.004337292	0.015647190	0.005653648
11	3.208007812	3.208496094	3.208251953	-0.004337292	0.005653648	0.000657852
12	3.208007812	3.208251953	3.208129883	-0.004337292	0.000657852	-0.001839801
13	3.208129883	3.208251953	3.208190918	-0.001839801	0.000657852	-0.000590995
14	3.208190918	3.208251953	3.208221436	-0.000590995	0.000657852	0.000033424

Biseccion - raiz x2

n	a	b	m	f(a)	f(b)	f(m)
0	7.000000000	8.000000000	7.500000000	52.573592574	-109.845037872	-1.553793493
1	7.000000000	7.500000000	7.250000000	52.573592574	-1.553793493	30.778565090
2	7.250000000	7.500000000	7.375000000	30.778565090	-1.553793493	16.093391510
3	7.375000000	7.500000000	7.437500000	16.093391510	-1.553793493	7.662432423
4	7.437500000	7.500000000	7.468750000	7.662432423	-1.553793493	3.155403548
5	7.468750000	7.500000000	7.484375000	3.155403548	-1.553793493	0.826450066
6	7.484375000	7.500000000	7.492187500	0.826450066	-1.553793493	-0.357213173
7	7.484375000	7.492187500	7.488281250	0.826450066	-0.357213173	0.236227148
8	7.488281250	7.492187500	7.490234375	0.236227148	-0.357213173	-0.060090097
9	7.488281250	7.490234375	7.489257812	0.236227148	-0.060090097	0.088169162
10	7.489257812	7.490234375	7.489746094	0.088169162	-0.060090097	0.014064703
11	7.489746094	7.490234375	7.489990234	0.014064703	-0.060090097	-0.023006403
12	7.489746094	7.489990234	7.489868164	0.014064703	-0.023006403	-0.004469277
13	7.489746094	7.489868164	7.489807129	0.014064703	-0.004469277	0.004798106
14	7.489807129	7.489868164	7.489837646	0.004798106	-0.004469277	0.000164513
15	7.489837646	7.489868164	7.489852905	0.000164513	-0.004469277	-0.002152357
16	7.489837646	7.489852905	7.489845276	0.000164513	-0.002152357	-0.000993916
17	7.489837646	7.489845276	7.489841461	0.000164513	-0.000993916	-0.000414700
18	7.489837646	7.489841461	7.489839554	0.000164513	-0.000414700	-0.000125093
19	7.489837646	7.489839554	7.489838600	0.000164513	-0.000125093	0.000019710

Newton - raiz x1

n	x	f(x)	f'(x)
0	3.500000000	6.430353229	23.594282583
1	3.227461379	0.395723615	20.671000633
2	3.208317477	0.001998593	20.462159892
3	3.208219805	0.000000052	20.461093723

Newton - raiz x2

n	x	f(x)	f'(x)
0	7.500000000	-1.553793493	-153.993034794
1	7.489909976	-0.010818247	-151.852078700
2	7.489838734	-0.000000536	-151.837034374

Secante - raiz x1

n	x	f(x)
0	3.000000000	-4.023176381
1	4.000000000	19.467469803
2	3.171267165	-0.748633437
3	3.201956418	-0.127941540
4	3.208282311	0.001279024
5	3.208219697	-0.000002141

Secante - raiz x2

n	x	f(x)
0	7.000000000	52.573592574
1	8.000000000	-109.845037872
2	7.323691885	22.459621608
3	7.438499817	7.521304349
4	7.496304547	-0.986173497
5	7.489603913	0.035648068
6	7.489837677	0.000159924
7	7.489838730	-0.000000026

Raices aproximadas por metodo:

Bisection: x1 = 3.2082214355, x2 = 7.4898386002

Newton : x1 = 3.2082198046, x2 = 7.4898387335

Secant : x1 = 3.2082196974, x2 = 7.4898387301

Error relativo porcentual por metodo:

Biseccion: x1 = 5.0917548545e-05 %, x2 = 1.7335661428e-06 %

Newton : x1 = 7.9855597815e-08 %, x2 = 4.6731037391e-08 %

Secante : x1 = 3.2605051815e-06 %, x2 = 1.9043714280e-09 %