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6

8 BISECTION METHOD

10								
11	n	a	b	c	f(a)	f(b)	f(c)	e
12	-----							
13	0	0.0000	1.0000	0.5000	-5.0000	3.0000	1.1750	N/A
14	1	0.0000	0.5000	0.2500	-5.0000	1.1750	-1.2750	1.0000
15	2	0.2500	0.5000	0.3750	-1.2750	1.1750	0.0977	0.3333
16	3	0.2500	0.3750	0.3125	-1.2750	0.0977	-0.5503	0.2000
17	4	0.3125	0.3750	0.3438	-0.5503	0.0977	-0.2169	0.0909
18	5	0.3438	0.3750	0.3594	-0.2169	0.0977	-0.0573	0.0435
19	6	0.3594	0.3750	0.3672	-0.0573	0.0977	0.0208	0.0213
20	7	0.3594	0.3672	0.3633	-0.0573	0.0208	-0.0181	0.0108
21	8	0.3633	0.3672	0.3652	-0.0181	0.0208	0.0014	0.0053

24 FALSE POSITION METHOD

n	a	b	f(a)	f(b)	c	f(c)	e
0	0.0000	1.0000	-5.0000	3.0000	0.6250	1.9805	N/A
1	0.0000	0.6250	-5.0000	1.9805	0.4477	0.7585	0.3961
2	0.0000	0.4477	-5.0000	0.7585	0.3887	0.2298	0.1517
3	0.0000	0.3887	-5.0000	0.2298	0.3716	0.0646	0.0460
4	0.0000	0.3716	-5.0000	0.0646	0.3669	0.0178	0.0129
5	0.0000	0.3669	-5.0000	0.0178	0.3656	0.0049	0.0036

37 NEWTON RAPHSON METHOD

39								
40	n	x_n	f(x_n)	f'(x_n)	x_{n+1}	f(x_{n+1})	f'(x_{n+1})	e
41								
42	0	0.5000	1.1750	7.5000	0.3433	-0.2212	10.3733	N/A
43	1	0.3433	-0.2212	10.3733	0.3647	-0.0044	9.9648	0.0585
44	2	0.3647	-0.0044	9.9648	0.3651	-0.0000	9.9565	0.0012

47 SECANT METHOD

49								
50	n	x_n-1	f(x_n-1)	x_n	f(x_n)	x_n+1	f(x_n+1)	e
51	-----							
52	0	0.0000	-5.0000	1.0000	3.0000	0.6250	1.9805	N/A
53	1	1.0000	3.0000	0.6250	1.9805	-0.1034	-6.9585	7.0417
54	2	0.6250	1.9805	-0.1034	-6.9585	0.4636	0.8904	1.2231
55	3	-0.1034	-6.9585	0.4636	0.8904	0.3993	0.3293	0.1611
56	4	0.4636	0.8904	0.3993	0.3293	0.3615	-0.0356	0.1044
57	5	0.3993	0.3293	0.3615	-0.0356	0.3652	0.0012	0.0101
58	6	0.3615	-0.0356	0.3652	0.0012	0.3651	0.0000	0.0003

61 MODIFIED SECANT METHOD

63								
64	n	x_n	f(x_n)	d	d + x_n	f(d + x_n)	x_{n+1}	e
65								
66	0	0.5000	1.1750	0.0050	0.5050	1.2123	0.3424	N/A
67	1	0.3424	-0.2307	0.0017	0.3441	-0.2129	0.3647	0.0610

[illegible]