

Iteration	X	e_i	e_{i+1}/e_i^2	e_{i+1}/e_i
0	1.00000000000000	0.2642411176571140		
1	0.7627845835849	0.3143283473368120	4.5017643113876800	0.144605561977373
2	0.8408216918290	0.0454536273120585	0.4600462007406020	0.035973089364281
3	0.8565332220104	0.0016351073972274	0.7914239520931990	0.001466410903410
4	0.8571419618530	0.0000023977393155	0.8968284932821730	0.000002161790159
5	0.8571428571409	0.00000000000051834	0.9015951590249010	0.000342700479781
6	0.8571428571429	0.0000000000000018		

$$M = |f''(r)/(2f'(r))|$$

2.413850895
