

enter the function $f(x) = 1/(1+x*x);$

Inline function:

$f(x) = 1/(1+x*x);$

enter the lower limit $a = 0$

enter the lower limit $b = 6$

0	1.0000	2.0000	3.0000	4.0000	5.0000	6.0000
1.0000	0.5000	0.2000	0.1000	0.0588	0.0385	0.0270

By trapezoidal rule, $I = 1.4108$

By Simpsons 1/3 rd rule, $I = 1.3662$

By Simpsons 3/8 th rule, $I = 1.3571$

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