

Name: Autar Kaw
Section: All
Test#1

Tolerance = 5e-006
Value at which derivative is to be found = 2.5
Starting value of step size=0.2
Function of which derivative is found is $f=2*\exp(1.5*x)$

Approximate value of derivative= 127.563
Exact value of derivative= 127.563

Test#2

Tolerance = 0.5
Value at which derivative is to be found = 2.5
Starting value of step size=0.2
Function of which derivative is found is $f=2*\exp(1.5*x)$

Approximate value of derivative= 128.163
Exact value of derivative= 127.563

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