

Console

Absolute Error in $x = 0.000050$

Absolute Error in $y = 0.000021$

Addition on a 5 decimal computer yields= 16.778

Absolute Total Error= 0.000771

Absolute Propagated Error= 0.000071

Absolute Round-off Error= 0.0007

Relative Total Error= $4.595e-005$

Relative Propagated Error= $4.2e-006$

Relative Round-off Error= $4.17e-005$

Bound on the propagated relative error= 0.000200

Bound on the total relative error= 0.000300

As we can see that both the propagated and total relative error are less than their bound values