

scientific computing can be define as _____
Inexactness

_____ errors arise when computation are performed using a fixed number of digits
Rounding

_____ is the reason why arithmetic used on computers unfortunately not respect the laws of ordinary arithmetic.

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Select one:

Floating real generate a small error
floating-point generates a small error

if the changes in the solution of the problem are much larger, the problem is called
_____ ill conditioned

if the changes in the solution of the problem are of the same order of magnitude as the perturbations in the input that caused those changes is called _____
well-conditioned

_____ is the error in the result, coming from errors in the input data
RXF Error

_____ is the seldom meaningful to test for equality between floating point numbers
Errors

_____ is error coming from errors in the function values used
RXF Error

_____ is the reason errors may arise

finite word length of the computer
(II) when a number is converted from one number system to another
I and II

_____ is not a primary sources of error
Assumption error

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