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Notes: By Nota

Nota

Nota, is a simple script to manage notes. It manages all my class notes which are markdown files and compiles them to PDF versions. This is so people can see my notes and I can share them easier. Not only that but the PDF version makes for easier reading, while the markdown versions are easy to edit and easy to search for items. Hope you enjoy!

Topic: Signifigant Figures

Rules

1. 1m = 10cm : Definitions (Infinitely Signifigant)
2. 3.94 : Nonzero Numbers (Signifigant)
3. 0.00034 : Leading Zeros (Never Signifigant)
4. 3.0094 : Captive Zeros (Signifigant)
5. Trailing Zeros:
    - 2.00 : Has Decimal (Signifigant)
    - 300 : No Decimal (Not Signifigant)

Addition / Subtraction

$$2.004 + 6.9 = 8.9$$

$$6.900 - 2.004 = 4.9$$

The answer must have the same number of digits to the right of the decimal as the number with the fewest digits to ther right of the decimal point.

Multiplication / Division

$$6.9 * 2.004 \approx 14$$

$$2.004/6.9 \approx 0.29$$

The answer must have no more sig. figs. than are in the measurement with the fewest number

Rounding (3 Sig. Figs.)

1. $6.789 \rightarrow 6.79$
    - If the last sig. fig. is followed by a >5, round up
2. $6.321 \rightarrow 6.2$
    - If the last sig. fig. is followed by a <5, round down
3. $6.55X \rightarrow 6.56$
    - If last sig. fig. is followed by a 5 with additional values, round up
4. $16.55 \rightarrow 16.6$
    - If last sig. fig. is odd and followed by only a 5, round up
5. $16.45 \rightarrow 16.4$
    - If last sig. fig. is even and followed by only a 5, round down