

Answer on Question #43448-Physics-Other

A zero (0) is a significant figure every time it is

between two nonzero digits.

between two other zeroes.

before a decimal point.

after a decimal point.

Answer

Zeros are significant with exceptions: zeros preceding the decimal point; zeros following the decimal point and preceding the first nonzero digit.

Zeros are not significant between two other zeroes in numbers without decimal points (400 or

$4 \cdot 10^2$ indicates only one significant figure).

So, a zero (0) is a significant figure every time it is *between two nonzero digits*.

Answer: between two nonzero digits.