

Answer on Question #83943, Physics / Quantum Mechanics

Question:

In a sine wave the equation if it is travelling in positive x axis is

Solution:

If the question is really associated with Quantum Mechanics then the equation is

$$\Psi(x, t) = a e^{-\frac{i}{\hbar}(Et - px)}$$

The answer:

$$\Psi(x, t) = a e^{-\frac{i}{\hbar}(Et - px)}$$

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