

Introduction to Magnetism

Find the cross-product and the dot-product for all combinations of the following vectors...

$$\vec{a} = 3\hat{i} + 5\hat{j} - 2\hat{k}$$

$$\vec{b} = -\hat{i} + 7\hat{k}$$

$$\vec{c} = 2\hat{i} - \hat{j} + 2\hat{k}$$

A particle has an initial velocity of $v_o = \left(+5.00 \frac{m}{s}\right)\hat{x}$ in a uniform field of $B_o = \left(-2.00 \frac{m}{s}\right)\hat{y}$. Describe the velocity of the particle as a function of time.

