WEEKS 23-24

Book D Unit 11: Eigenvalues

Unit 11 Practice quiz | iCMA 43

This item is also available in Weeks 16-17.

Questions

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Finish attempt ...

Question 15 Not yet answered

Marked out of 1.00 | Flag question

A particle moves such that its velocity at time t is given by

$$\mathbf{v} = 5t^5\,\mathbf{i} + 4t^5\,\mathbf{j} + t^3\,\mathbf{k}.$$

If its position $\mathbf{x}$ at time $t = 0$ is given by $\mathbf{x}(0) = \mathbf{i} + 2\mathbf{j}$, what is the position of the particle at time t?

Enter i for $\mathbf{i}$, j for $\mathbf{j}$ and k for $\mathbf{k}$, so to enter $2\mathbf{i} + 3\mathbf{j}$ type 2*i+3*j .

The position is [ ].

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