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

The position is

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Finish attempt ...

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