WEEKS 23-24

Book D Unit 11: Eigenvalues

Unit 11 Practice quiz | iCMA 43

This item is also available in Weeks 16-17.

Questions

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Finish attempt ...

Question 13 Not yet answered

Marked out of 1.00 | Flag question

A particle of mass 25 kg moves in a straight line such that the force (in Newtons) acting on it at time t (in seconds) is given by

$$225\,t^6 + 175\,t^4 + 200.$$

If at time $t = 0$ its velocity, v (in $\mathrm{m\,s^{-1}}$), is given by $v(0) = 14$, and its position x (in m) is given by $x(0) = 10$, what is the position of the particle at time t?

The position is _____ m.

Previous page Next page

Page tools

Send feedback