WEEKS
23-24   Book D Unit 11: Eigenvalues

Unit 11 Practice quiz

iCMA 43

This item is also available in Weeks 16-17.

Questions

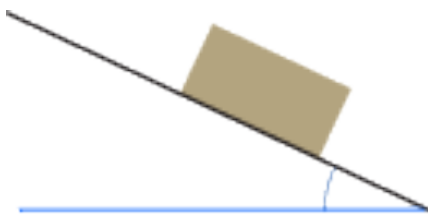| | 1 | 2 | 3 | 4 |
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Finish attempt ...

Question 14 Not yet answered

Marked out of 1.00   ⚐ Flag question

A carton slides down a rough plane inclined at an angle of $35°$ to the horizontal. The coefficient of sliding friction between the carton and the plane is $\mu = 0.31$.

Calculate the magnitude of the acceleration of the carton, in $\mathrm{m\,s}^{-2}$, to two significant figures. (Take the magnitude of the acceleration due to gravity, g, to be $9.8\,\mathrm{m\,s}^{-2}$.)

The magnitude of the acceleration is [   ] $\mathrm{m\,s}^{-2}$ (to 2.s.f.).

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