SHOWING SOLUTIONS

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1 Dummy question

(a) Show that, under the action of gravity alone, the scale size of the Universe varies according to

$$\ddot{R} = -\frac{4\pi G\rho_0}{3R^2}.$$

[4]

Is $\ddot{R} = \mathrm{d}^2R/\mathrm{d}t^2 > 10\,\mathrm{au\,s^{-2}}$?

Solution: This can be solved by remembering the answer.

(b) Explain the nature of being. [16]

Solution: Om.

[**Total: 20 OK**]

NOTE: Dummy question