

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 $\ddot{R} = d^2R/dt^2 > 10 \text{ au s}^{-2}$?

Solution: This can be solved by remembering the answer.

(b) Explain the nature of being.

[16]

Solution: Om.

[Total: 20 OK]

NOTE: Dummy question