$$D = \frac{1}{c} \frac{1}{\ell} \frac{d\ell}{dt} = \frac{1}{c} \frac{1}{P} \frac{dP}{dt}$$

$$D^2 = \frac{1}{P^2} \frac{P_0 - P}{P} \sim \frac{1}{P^2} \qquad (1a)$$

$$D^2 = \frac{\kappa \varrho}{3} \frac{P_0 - P}{P_0} \sim \frac{1}{3} \kappa \varrho \qquad (2a)$$

$$D^2 \sim 10^{-53}$$

$$\varrho \sim 10^{-26}$$

$$P \sim 10^8 \; \mathcal{L}.\mathcal{J}$$

$$t \sim 10^{10} (10^{11}) \; \mathcal{J}$$

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Blackboard used by Albert Einstein at the second of three Rhodes Memorial Lectures on "The Theory of Relativity" delivered at Rhodes House, Oxford, 16 May, 1931.

(New Series, No. 5;   (Photo: Edmark, Oxford)
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