

物 理

Ⅰ 解答 (1) $\sqrt{2gh}$ (2) $\frac{1}{2}\sqrt{2gh}$ (3) $\frac{\sqrt{3}}{2}g$ (4) $\frac{1}{2}e^2\sqrt{6gh}$
 (5) $2e(1+e)h$ (6) $\frac{\sqrt{3}}{2}e^6h$ (7) $2mg$ (8) $\frac{2\sqrt{3}}{3}mg$ (9) $\frac{\sqrt{3}v_0^2}{2g}$

Ⅱ 解答 (1) $\frac{n_1}{d}I_1$ (2) $\frac{\mu n_1 S \Delta I_1}{d}$ (3) $\frac{\mu n_1 n_2 S}{d}$
 (4) 高い (5) $\frac{I}{T}(L_1 + r_1 t)$ (6) $\frac{MI}{r_2 T}$ (7) $\frac{MI - L_2 h T}{I_2 T}$

Ⅲ 解答 (1) $p_0 + \frac{mg}{S}$ (2) $\frac{p_0}{p_1}L_0$ (3) 0 (4) $\frac{p_0 S}{3g}$
 (5) $\left(\frac{p_0}{p_3}\right)^{\frac{3}{5}}L_0$ (6) $\left(\frac{L_0}{L_3}\right)^{\frac{2}{3}}T_0$ (7) $\frac{3}{2}\left\{\left(\frac{L_0}{L_3}\right)^{\frac{2}{3}} - 1\right\}nRT_0$

Ⅳ 解答 (1) $A \sin(2\pi ft + \theta)$ (2) 2 (3) $2\pi f A$ (4) $2\pi^2 m f^2 A^2$
 (5) 4 (6) $\frac{V}{4L}$ (7) —(r)