

『古典力学』 正誤表

訂正箇所	訂正前	訂正後
P23 (1.25)	$\begin{aligned} (\text{質点}\alpha\text{の受ける合力}) &\equiv \mathbf{F}_\alpha \\ &= \sum_{\beta \neq \alpha} F_{\alpha\beta} + \mathbf{F}_\alpha^{\text{ext}} \end{aligned}$	$\begin{aligned} (\text{質点}\alpha\text{の受ける合力}) &\equiv \mathbf{F}_\alpha \\ &= \sum_{\beta \neq \alpha} \mathbf{F}_{\alpha\beta} + \mathbf{F}_\alpha^{\text{ext}} \end{aligned}$
P169 問題 4.6	$U = \sum_{\alpha} U_{\alpha} M g Y$	$U = \sum_{\alpha} U_{\alpha} = M g Y$
P230 (5.98)	$\begin{aligned} \langle x^2 \rangle &= \frac{1}{\tau} \int_{-\frac{\tau}{2}}^{\frac{\tau}{2}} \sum_m \sum_n \cos(n\omega t - \\ &\delta_n) \cos(m\omega t - \delta_m) dt \end{aligned}$	$\begin{aligned} \langle x^2 \rangle &= \frac{1}{\tau} \int_{-\frac{\tau}{2}}^{\frac{\tau}{2}} \sum_m \sum_n A_n \cos(n\omega t - \\ &\delta_n) A_m \cos(m\omega t - \delta_m) dt \end{aligned}$
P293 1行目	$\mathbf{v} = (v_x, v_y) = (\dot{q}_1 \cos\alpha + \dot{q}_2, \dot{q}_1 \sin\alpha)$	$\mathbf{v} = (v_x, v_y) = (\dot{q}_1 \cos\alpha + \dot{q}_2, \dot{q}_1 \sin\alpha)$
P335 (8.16)	$\mathcal{L} = \mathcal{L}_{rel} = \frac{1}{2} \mu \dot{\mathbf{r}}^2 - U(\mathbf{r})$	$\mathcal{L} = \mathcal{L}_{rel} = \frac{1}{2} \mu \dot{\mathbf{r}}^2 - U(r)$
P540 (12.26)	$\Delta\phi(t) \sim K e^{\lambda t}$	$ \Delta\phi(t) \sim K e^{\lambda t}$
P825 (16.96)	$\mathbf{E} = \frac{1}{\alpha\beta} [-\alpha + (\alpha - \beta)] p \mathbf{1} = \frac{p}{\alpha} \mathbf{1}$	$\mathbf{E} = \frac{1}{\alpha\beta} [-\alpha + (\alpha - \beta)] p \mathbf{1} = -\frac{p}{\alpha} \mathbf{1}$