

| 場所 | 記載 | 修正 |
|--------------------------------------|--|--|
| まえがき iii | 旧原子力研究所 | 旧日本原子力研究所 |
| 同上 | 最後に、京大客員教授として | 京大客員教授として |
| 12page (1.1-1) | $R_{\mu\nu} - \frac{1}{2}g_{\mu\nu}R = -8\pi GT_{\mu\nu}$ | $R_{\mu\nu} - \frac{1}{2}g_{\mu\nu}R = \frac{8\pi G}{c^4}T_{\mu\nu}$ |
| 13page 14 行目 | 10 億度 | 1 億度 |
| 23page | [1-15] Robin Herman, | [1-16] Robin Herman |
| 同上 | [1-16] Robert A. Gross | [1-15] Robert A. Gross |
| 26page, 2 nd paragraph | $U^{\max} =$ | $U_{\max} =$ |
| 27page | $\mathbf{P} = \hbar\mathbf{k}$ | $\mathbf{P} = \hbar\mathbf{k}$ |
| 28page 2.2.2 nd paragraph | 中性子と陽子と中性子の間の | 陽子と中性子の間の |
| 31page 図 2.2 | $A \sin(\mathbf{r}\cdot\mathbf{a})$ | $A \sin(\mathbf{K}(\mathbf{r}-\mathbf{c}))$ |
| 34page 下から 4 行目 | 半減期約 12 分 | 半減期約 10 分(614 秒) |
| 37page 下から 7,6,5 行目 | $n_l = 2(n-1) + l, l$ は方位量子数、 $l=0$, 方位量子数 l | $n_l = 2(n-1) + l, l$ は方位量子数、 $l=0$, 方位量子数 l |
| 41page (2.6-5) 下。 | $(2m_e E)^{-1}$ | $(2m_e E)^{-1}$ |
| 41page 図 2.6 b) 図中 | E_r | E_r |
| 49page 8 行目 | [3-66] | [3-6] |
| 52page (3.3-14) | $\int \mathbf{B} \cdot d\mathbf{x} = \int \mathbf{B} \cdot \nabla u^i du^i$ | $\int \mathbf{B} \cdot d\mathbf{x} = \int \mathbf{B} \cdot (\partial \mathbf{x} / \partial u^i) du^i$ |
| 52page (3.3-15) | $\int \mathbf{B} \cdot d\mathbf{a} = \int \mathbf{B} \cdot \nabla u^k J du^k$ | $\int \mathbf{B} \cdot d\mathbf{a} = \int \mathbf{B} \cdot \nabla u^k J du^k$ |
| 53page(3.4-2)上 | (3.3-1) | (3.3-11) |
| 53page 下から 5 行目 | $[\mathbf{p} \cdot \mathbf{x} - H]$ | $[\mathbf{p} \cdot \dot{\mathbf{x}} - H]$ |
| 53page 下から 4 行目 | \mathbf{p} | \mathbf{p} |
| 54page(3.4-4) | $+\begin{pmatrix} \frac{\partial \phi}{\partial \xi} & \frac{\partial \psi}{\partial \phi} \end{pmatrix}$ | $-\begin{pmatrix} \frac{\partial \phi}{\partial \xi} & \frac{\partial \psi}{\partial \theta} \end{pmatrix}$ |
| 54page ノート中 | E. Newton | I. Newton |
| 55page ノート 1, 1 行目 | $p_i = \partial L / \partial \dot{q}_i$ | $p_i = \partial L / \partial \dot{q}_i$ |
| 55page ノート 1 (3.4-6)式 | $[\sum p_i \dot{q}_i - H(\mathbf{q}, \mathbf{p}, t)]$ | $[\sum p_i \dot{q}_i - H(\mathbf{q}, \mathbf{p}, t)]$ |
| 55page ノート 1 下から 2 行目 | $p_i = \partial L / \partial \dot{q}_i$ | $p_i = \partial L / \partial \dot{\zeta}_i$ |
| 57page(3.5-7) | $\frac{d\psi}{du} = -h_3(u), \frac{d\phi}{du} = h_2(u)$ | $\frac{d\psi}{du} = -h_3(u), \frac{d\phi}{du} = h_2(u)$ |
| 57page(3.5-8) | $\mathbf{B} = \nabla\phi \times \nabla\theta_m - \nabla\psi \times \nabla\phi = \nabla\phi \times (\theta_m - \phi/q)$ | $\mathbf{B} = \nabla\phi \times \nabla\theta_m - \nabla\psi \times \nabla\phi = \nabla\phi \times \nabla(\theta_m - \phi/q)$ |
| 59page(3.6-2)の上 | \mathbf{a} | \mathbf{a} |
| 59page(3.6-4) | $\phi_1 =$ | $\zeta_1 =$ |
| 60page 上から 2 行目 | $i_2(u), i_3(u)$ | $j_2(u), j_3(u)$ |
| 60page(3.6-6)の 2 行下 | $b_2 i_3 - b_3 i_2$ | $b_2 j_3 - b_3 j_2$ |
| 61page(3.6-15)の上 | ζ_h | ζ_b |
| 61page 3.6 図中 | $2\pi\mathbf{K} = \dots, 2\pi\mathbf{l} = \dots,$ | $2\pi\mathbf{g} = \dots, 2\pi\mathbf{f} = \dots,$ |
| 65page 下から 2 行目 | $J_p = -\mu_0^{-1} \nabla\zeta \times \nabla F$ 対する | $J_p = -\mu_0^{-1} \nabla\zeta \times \nabla F$ に対する |
| 68page 下から 3 行目 | $\delta\alpha$ | $\delta\omega$ |
| 69page(3.9-7) | $\mathbf{J} \cdot \nabla P = 1$ | $\mathbf{J} \cdot \nabla P = 0$ |
| 69page(3.9-7)下 | $-(\mathbf{J} \cdot \nabla\psi) \nabla\omega$ | $-(\mathbf{J} \cdot \nabla P) \nabla\omega$ |
| 71page | H. Grad, Physics of Fluids 7(1964) : | H. Grad, Physics of Fluids 7(1964)1283 : |
| 76page (4.1-8)下 | $\delta L = L(\mathbf{q}', \mathbf{q}', t) - L(\mathbf{q}, \dot{\mathbf{q}}, t)$ | $\delta L = L(\mathbf{q}', \dot{\mathbf{q}}', t) - L(\mathbf{q}, \dot{\mathbf{q}}, t)$ |
| 76page (4.1-8)下 | $\epsilon dW(\mathbf{q}, t)/dt$ | $\epsilon dW(\mathbf{q}, t)/dt$ |
| 78page ノート | Lorenz, Lorenz | Lorentz, Lorentz |

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|----------------------|---|--|
| 80page 下から5行 | $\mathbf{x}(t)=\mathbf{r}(t)+\mathbf{p}(t)$ | $\mathbf{x}(t)=\mathbf{r}(t)+\boldsymbol{\rho}(t)$ |
| 81page (4.3-3) | ϑ | θ |
| 81page (4.3-3) | $\cdot\dot{\mathbf{r}}$ | $\cdot\dot{\mathbf{r}}$ |
| 82page (4.3-15)下2行 | (4.3-6)から | (4.3-5)から |
| 82page (4.3-15)下2行 | $v_{ }\nabla v_{ } =$ | $m_a v_{ }\nabla v_{ } =$ |
| 82page (4.3-17) | $p_{ } = m_a v_{ } / e_a B$ | $\rho_{ } = m_a v_{ } / e_a B$ |
| 83page (4.4-3) | $\frac{d\mathbf{r}}{dt} = \frac{\partial\mathbf{r}}{\partial\theta} \frac{d\theta}{dt} + \frac{\partial\mathbf{r}}{\partial\zeta} \frac{d\zeta}{dt} + \frac{\partial\mathbf{r}}{\partial\phi} \frac{d\phi}{dt}$ | $\frac{d\mathbf{r}}{dt} = \frac{\partial\mathbf{r}}{\partial\phi} \frac{d\phi}{dt} + \frac{\partial\mathbf{r}}{\partial\alpha} \frac{d\alpha}{dt} + \frac{\partial\mathbf{r}}{\partial\chi} \frac{d\chi}{dt}$ |
| 84page(4.4-9) | $L(\mathbf{r},\dot{\mathbf{r}}) = e_a \mathbf{A} \cdot \dot{\mathbf{r}} + (m_a / 2e_a)(\dot{\mathbf{r}} \cdot \mathbf{b})^2 -$ | $L(\mathbf{r},\dot{\mathbf{r}}) = e_a \mathbf{A} \cdot \dot{\mathbf{r}} + (m_a / 2)(\dot{\mathbf{r}} \cdot \mathbf{b})^2 -$ |
| 84page(4.4-13) | $P_x = \frac{m_a}{B_2}$ | $P_x = \frac{m_a}{B^2}$ |
| 85page(4.4-16)下1,2行 | P_ω, P_ω | P_α, P_α |
| 85page(4.4-17) | $\frac{d\alpha}{dt} = \frac{\partial H}{e_a \partial \phi} = [e_a \Phi'(\phi) + (\mu + \frac{e_a \rho_{ }^2 B}{m_a}) \frac{\partial B}{\partial \phi}]$ | $\frac{d\alpha}{dt} = \frac{\partial H}{e_a \partial \phi} = \Phi'(\phi) + (\frac{\mu}{e_a} + \frac{e_a \rho_{ }^2 B}{m_a}) \frac{\partial B}{\partial \phi}$ |
| 85page(4.4-18) | $\frac{d\chi}{dt} = \frac{\partial H}{e_a \partial \rho_{ }} = \frac{e_a \rho_{ }^2 B^2}{m_a}$ | $\frac{d\chi}{dt} = \frac{\partial H}{e_a \partial \rho_{ }} = \frac{e_a \rho_{ }^2 B^2}{m_a}$ |
| 85page(4.4-19) | $\frac{d\phi}{dt} = -\frac{\partial H}{e_a \partial \alpha} = -e_a^{-1}(\mu + \frac{e_a \rho_{ }^2 B}{m_a}) \frac{\partial B}{\partial \alpha}$ | $\frac{d\phi}{dt} = -\frac{\partial H}{e_a \partial \alpha} = -(\frac{\mu}{e_a} + \frac{e_a \rho_{ }^2 B}{m_a}) \frac{\partial B}{\partial \alpha}$ |
| 85page(4.4-20) | $\frac{d\rho_{ }}{dt} = -\frac{\partial H}{e_a \partial \chi} = -e_a^{-1}(\mu + \frac{e_a \rho_{ }^2 B}{m_a}) \frac{\partial B}{\partial \chi}$ | $\frac{d\rho_{ }}{dt} = -\frac{\partial H}{e_a \partial \chi} = -(\frac{\mu}{e_a} + \frac{e_a \rho_{ }^2 B}{m_a}) \frac{\partial B}{\partial \chi}$ |
| 85page(4.4-24) | $H = \frac{e_s^2}{2m_a} \rho_{ }^2 B^2 + \mu B + e_a \Phi$ | $H = \frac{e_s^2}{2m_a} \rho_{ }^2 B^2 + \mu B + e_a \Phi$ |
| 86page(4.5-4)上 | 正準運動量が(4.2-6)で | 正準運動量が(4.2-7)で |
| 87page(4.5-5) | $J = --- = \oint m_a (v_{ } - e_a A_{ }) dl_{ }$ | $J = --- = \oint (m_a v_{ } + e_a A_{ }) dl_{ }$ |
| 87page(4.5-7)上 | $v_{ }$ は(4.3-6)式 | $v_{ }$ は(4.3-5)式 |
| 89page(4.6-2) | $\gamma_i(\mathbf{z}, t) = \mathbf{p} \cdot \frac{\partial \mathbf{q}}{\partial z_i}$ | $\gamma_i(\mathbf{z}, t) = \mathbf{p} \cdot \frac{\partial \mathbf{q}}{\partial z^i}$ |
| 89page(4.6-3)下 | $\delta S = \delta(\gamma_i (dz^i/dt) - h) = [(\partial\gamma_j/\partial z^i - \partial\gamma_i/\partial z^j)(dz^j/dt) - (\partial h/\partial z^i + \partial\gamma_i/\partial t)]\delta z^i + d(\gamma_i \delta z^i)$ | $\delta L = \delta(\gamma_i (dz^i/dt) - h) = [(\partial\gamma_j/\partial z^i - \partial\gamma_i/\partial z^j)(dz^j/dt) - (\partial h/\partial z^i + \partial\gamma_i/\partial t)]\delta z^i + d(\gamma_i \delta z^i)/dt$ |
| 90page 4行 | z_i | z^i |
| 90page (4.6-5)上 | $\gamma = \gamma_\mu dz^\mu = \Gamma_\nu dz^\nu$ | $\gamma = \gamma_\mu dz^\mu = \Gamma_\nu dz^\nu$ |
| 90page(n-2)下3行 | で定義されを | で定義され |
| 91 page (n-6) | $\gamma_\nu(\mathbf{z}(\boldsymbol{\varepsilon}; \bar{\mathbf{z}}))$ | $\gamma_\nu(\mathbf{z}(\bar{\mathbf{z}}, \boldsymbol{\varepsilon}))$ |
| 91 page (n-6)下2行 | $\frac{\partial\gamma_\mu}{\partial z^\lambda} \frac{\partial z^\lambda}{\partial z^\nu} = \frac{\partial\gamma_\mu}{\partial \bar{z}^\nu}$ | $\frac{\partial\gamma_\mu}{\partial z^\lambda} \frac{\partial z^\lambda}{\partial \bar{z}^\nu} = \frac{\partial\gamma_\mu}{\partial \bar{z}^\nu}$ |
| 91 page (n-6)下3行式2行目 | $(\partial z_\nu(\mathbf{z}, \boldsymbol{\varepsilon}) / \partial \bar{z}^\mu) \partial \gamma_\nu(\boldsymbol{\varepsilon}; \bar{\mathbf{z}}) \partial \bar{z}^\lambda$ | $(\partial z^\nu(\bar{\mathbf{z}}, \boldsymbol{\varepsilon}) / \partial \bar{z}^\mu) (\partial \gamma_\nu(\mathbf{z}(\bar{\mathbf{z}}, \boldsymbol{\varepsilon})) / \partial \bar{z}^\lambda)$ |
| 91 page (n-6)下3行式4行目 | $((\partial z_\nu / \partial \bar{z}^\mu) \gamma_\nu) - \partial / \partial \bar{z}^\mu ((\partial z_\nu / \partial \bar{z}^\lambda) \gamma_\nu)$ | $((\partial z^\nu / \partial \bar{z}^\mu) \gamma_\nu) - \partial / \partial \bar{z}^\mu ((\partial z^\nu / \partial \bar{z}^\lambda) \gamma_\nu)$ |
| 91page(4.6-7)上3行 | $T_n(\boldsymbol{\varepsilon}) = \exp(-\boldsymbol{\varepsilon}^n L_n)(L_n \omega)_\mu = g_n^\lambda (\partial \omega_\mu / \partial y^\lambda - \partial \omega_\lambda / \partial y^\mu)$ | $T_n(\boldsymbol{\varepsilon}) = \exp(-\boldsymbol{\varepsilon}^n L_n)(L_n \omega)_\mu = g_n^\lambda (\partial \omega_\mu / \partial y^\lambda - \partial \omega_\lambda / \partial y^\mu)$ |
| 92page 1行 | Carry [4-15] | Cary [4-15] |
| 92page (4.7-1)上 | $\mathbf{z} = \{z_\mu\} = \{t, z_i\}$ | $\mathbf{z} = \{z^\mu\} = \{t, z^i\}$ |
| 92page (4.7-1)下 | $\bar{\mathbf{z}} = \{\bar{z}_\mu\} = \{t, \bar{z}_i\}$ | $\bar{\mathbf{z}} = \{\bar{z}^\mu\} = \{t, \bar{z}^i\}$ |
| 92page (4.7-2) | $Ldt = \Gamma = \Gamma_i(\bar{\mathbf{z}}) d\bar{z}_i - H(\bar{\mathbf{z}}) dt + dS(\bar{\mathbf{z}})$ | $Ldt = \Gamma = \Gamma_i(\bar{\mathbf{z}}) d\bar{z}^i - H(\bar{\mathbf{z}}) dt + dS(\bar{\mathbf{z}})$ |
| 93 page (4.7-6) | $(e_a \mathbf{A}(\mathbf{x}, t) + m\mathbf{v})$ | $(e_a \mathbf{A}(\mathbf{x}, t) + m_a \mathbf{v})$ |
| 93 page (4.7-8)下 | (i=1,6)ととして | (i=1,6)として |
| 93 page (4.7-10)下2行 | $\omega_{ij} g_1^j = \partial S_1 / \partial z^i$ | $\omega_{ij} g_1^j = \partial S_1 / \partial z^i$ |
| 93 page (4.7-13)上2行 | $\{S_1, h_0\} \sim \Omega \partial S_1 / \partial \zeta$ | $\{S_1, h_0\} \sim \Omega \partial S_1 / \partial \theta$ |

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| 93 page (4.7-13) | $S_1 = -e_a \int \varphi dt \approx -\frac{e_a}{\Omega} \int \varphi d\xi$ | $S_1 = -e_a \int \varphi dt \approx -\frac{e_a}{\Omega} \int \varphi d\theta$ |
| 95 page | [4-7]J.B. Taylor, Phys. Fluids 7(1964)767 | [4-7]A. Boozer, Reviews of Modern Physics 76(2004)1071 |
| 95 page | [4-8] A. Boozer, Reviews of Modern Physics 76(2004)1071 | [4-8] J.B. Taylor, Phys. Fluids 7(1964)767 |
| 98 page (5.1-1) | $\frac{dp_j}{dt} = \frac{\partial H}{\partial q_j}$ | $\frac{dp_j}{dt} = -\frac{\partial H}{\partial q_j}$ |
| 101 page(5.2-2)下 | $\mathbf{E} + \mathbf{v} \times \mathbf{B}$ | $\mathbf{E} + \mathbf{v} \times \mathbf{B}$ |
| 104 page | (A. Vlasov, 1900-1946) | (A. Vlasov, 1908-1975) |
| 107 page (5.4-7)の上 | $f_{eik}(\mathbf{v}, t)$ | $f_{eik}(\mathbf{v}, t)$ |
| 107 page (5.4-7) | $f_{eik}(\mathbf{v}, t=0)$ | $f_{eik}(\mathbf{v}, t=0)$ |
| 111 page (5.5-4) | $\Delta \mathbf{v}_a =$ | $\Delta \mathbf{v}_a =$ |
| 113 page (5.6-1)の上 2行 | \mathbf{v} | \mathbf{v} |
| 113 page (5.6-1) | $\mathbf{v} - \Delta \mathbf{v}$ | $\mathbf{v} - \Delta \mathbf{v}$ |
| 113page (5.6-4, 5, 6, 7, 8, 11, 12, 14, 16) | $=$ | $= \sum_b$ (b に対する和を取る。) |
| 116 page (5.7-6) | $dr/dt, r, b$ | $dr/dt, r, b$ |
| 125 page (6.2-11)下 | (6.1-10) | (6.2-10) |
| 127 page (6.3-2) | $\delta W_{sw} = \gamma p, -- \nabla p,$ | $\delta W_{sw} = \gamma P, -- \nabla P,$ |
| 127 page 下から 5 行目 | $\mathbf{k} \cdot \nabla p$ | $\mathbf{k} \cdot \nabla P$ |
| 130 page (6.4-1) | $g = \frac{1}{r} \frac{r(kB - (m/r)B)^2}{k^2 r^2 + (m/r)^2} + \dots$ | $g = \frac{1}{r} \frac{(kB - (m/r)B)^2}{k^2 r^2 + (m/r)^2} + \dots$ |
| 130 page (6.4-1) | $\xi_0(\xi, \frac{d\xi}{dr}) =$ | $\zeta_0(\xi, \frac{d\xi}{dr}) =$ |
| 131 page (6.4-3) | $\frac{dp}{dr}$ | $\frac{dP}{dr}$ |
| 131 page (6.4-4) | $(X, \frac{\partial X}{\partial \theta}, \frac{\partial X}{\partial r}, V, \frac{\partial V}{\partial \theta})$ | $(X, \frac{\partial X}{\partial \theta}, \frac{\partial X}{\partial r}, V, \frac{\partial V}{\partial \theta})$ |
| 132 page (6.4-9) | \mathbf{g} | \mathbf{g} |
| 134 page (6.5-7) 前 | P.H.Rutherford による詳細な計算によると | D. Biskamp による詳細な計算によると |
| 134 page (6.5-7) | $\frac{dw}{dt} = 1.66 \frac{\eta}{\mu_0} [\Delta(w) - \alpha w]$ | $\frac{dw}{dt} = 1.22 \frac{\eta}{\mu_0} \Delta(w)$ |
| 136 page (6.6-2)下 4 行 | $iS \sim -in\xi$ | $iS \sim -in\zeta$ |
| 136 page (6.6-2)下 5 行 | $S(r, \alpha) = n(\alpha + \alpha_0(r))$ | $S(r, \alpha) = -n(\alpha + \alpha_0(r))$ |
| 136 page (6.6-2)下 6 行 | $S(r, \theta + 2\pi, \zeta) = S(r, \theta, \zeta) - 2\pi q$ | $S(r, \theta + 2\pi, \zeta) = S(r, \theta, \zeta) + 2\pi q$ |
| 137 page (6.6-6) | ∇p | ∇P |
| 138 page (6.6-10)上 | Φ フーリエ変換 | Φ のフーリエ展開 |
| 139 page (6.7-1) | ∇p | ∇P |
| 140 page (6.7-11) | $p(\psi, R) =$ | $P(\psi, R) =$ |
| 141 page (6.7-15) | $\nabla p + \gamma p \dots$ | $\nabla P + \gamma P \dots$ |
| 144 page (7.1-4) | $\frac{\partial \omega}{\partial \mathbf{x}} = \mathbf{v}_g \cdot \frac{\partial \mathbf{k}}{\partial \mathbf{t}} + \frac{\partial \Omega}{\partial \mathbf{x}} \Big _{\mathbf{k}}$ | $\frac{\partial \omega}{\partial \mathbf{x}} = \mathbf{v}_g \cdot \frac{\partial \mathbf{k}}{\partial \mathbf{x}} + \frac{\partial \Omega}{\partial \mathbf{x}} \Big _{\mathbf{k}}$ |
| 148 page (7.2-10)上 2 行 | (7.2-7)は | (7.2-8)は |
| 148 page (7.2-18) | $\frac{d\mathbf{p}}{dt} = -\frac{\partial H}{\partial \mathbf{x}} = -\frac{\partial f(x,t)}{\partial \mathbf{x}} \cdot \mathbf{p}$ | $\frac{d\mathbf{p}}{dt} = -\frac{\partial H}{\partial \mathbf{x}} = -\frac{\partial f(x,t)}{\partial \mathbf{x}} \cdot \mathbf{p}$ |
| 149 page (7.3-4)上 | (7.1-3)から | (7.3-3)から |
| 150 page ノート 2 行 | 一点 \mathbf{x}' に擾乱として電場 $\mathbf{E}(\mathbf{x}', t)$ | 一点 \mathbf{x}' に擾乱として電場 $\mathbf{E}(\mathbf{x}', t)$ |
| 152 page 最後 | 6.2 節で | 6.3 節で |
| 156 page(7.5-8)前 | 静電近似($\mathbf{E} = -\nabla\Phi$) | 静電近似($\mathbf{E} = -\nabla\tilde{\Phi}$) |
| 156 page(7.5-9) | $\mathbf{v}_p = -\frac{m_a}{eB^2} \frac{d\mathbf{E}}{dt}$ | $\mathbf{v}_p = +\frac{m_a}{eB^2} \frac{d\mathbf{E}}{dt}$ |
| 157 page (7.5-12)下 | (7.3-8)と(7.3-10)から | (7.5-8)と(7.5-10)から |
| 161 page 下から 10 行目 | $dn/dr < 0$ 時 \mathbf{t} を | $dn/dr < 0$ 時 \mathbf{t} を |

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| 162 page (8.1-11) | \mathbf{q}_α | \mathbf{q}_a |
| 162 page (8.1-17, 18) | m_α | m_a |
| 163 page (8.2-6)上 | $dU = \mathbf{u}_{\perp a} \cdot d\mathbf{u}_{\perp a} = \mathbf{u}_{\perp a} \cdot d\mathbf{u}_{\perp a}$ | $dU = \mathbf{u}_a^{(1)} \cdot d\mathbf{u}_a^{(1)} = \mathbf{u}_a^{(1)} \cdot d\mathbf{u}_a^{(1)}$ |
| 164 page (8.2-13)下 | $\mathbf{b} \times \nabla \psi = R^2 B \nabla \zeta - F(\psi) \mathbf{b}$ | $\mathbf{b} \times \nabla \psi = -R^2 B \nabla \zeta + F(\psi) \mathbf{b}$ |
| 168 page (8.3-13) | $M_{ab}^{12} = \dots, M_{ab}^{02} = \dots, N_{ab}^{12} = \dots$ | 削除。 |
| 168 page (8.3-14) | $N_{ab}^{ij} = \frac{T_a v_{Ta}}{T_b v_{Tb}} M_{ba}^{ji}$ | $N_{ab}^{ij} = \frac{T_a v_{Ta}}{T_b v_{Tb}} N_{ba}^{ji}$ |
| 168 page (8.3-16) | $v_D^a(v) =$ | $v_E^a(v) =$ |
| 168 page (8.3-16) | $\frac{T_a}{T_b} + x_{ab}^2$ | $\frac{T_a}{T_b} + x_{ab}^{-2}$ |
| 169 page (8.4-3) | Z_a, P_a | Z_a, P_a |
| 170 page (8.4-8)下 | (8.4-5) | (8.4-4) |
| 172 page (8.5-3) | (8.7-8) | (8.6-15) |
| 178 page (8.7-9)上 | p_a | P_a |
| 186 page 図 9.2 a) caption | [9-12] | [9-2] |
| 186 page 図 9.2 b) caption | [9-11] | [9-3] |
| 187 page (9.2-11) | (9.2-11) | (9.2-1) |
| 188 page (9.3-4)下 | (7.5-11) | (7.5-2) |
| 189 page (9.3-8)下 | ここで、 | ここで $\rho_s^2 \nabla^2$ を ∇^2 で置き換え、 |
| 192 page 図 9.4 i) | S (2箇所) | s |
| 192 page 図 9.4 iii) a) | ITB 形成後の | ITB 形成前の |
| 209 page 図 10.4b) | 核融合炉様 | 核融合炉棟 |
| 215 page 3.3 2. | $\mathbf{x}(u_1, u_2, u_3) =$ | $\mathbf{x}(u^1, u^2, u^3) =$ |
| 215 page 11. | $d\mathbf{r} \cdot d\mathbf{r}$ | $d\mathbf{x} \cdot d\mathbf{x}$ |
| 218 page 13. | $\mathbf{J} =$ | $\mu_0 \mathbf{J} =$ |
| 221 page 8. | $\frac{d\mathbf{r}}{dt} = \frac{1}{B_{\parallel}} [\mathbf{v}_{\parallel} \mathbf{B}^* + \mathbf{b} \times ((\mu/e_a) \nabla B - \mathbf{E}^*)]$ | $\frac{d\mathbf{r}}{dt} = \frac{1}{B_{\parallel}} [v_{\parallel} \mathbf{B}^* + \mathbf{b} \times ((\mu/e_a) \nabla B - \mathbf{E}^*)]$ |
| 221 page 11. | V_{\parallel} | v_{\parallel} |
| 221 page 12. | V_{\parallel} | v_{\parallel} |
| 232 page 6-4 1. | $g = \frac{1}{r} \frac{r(kB - (m/r)B)^2}{k^2 r^2 + (m/r)^2}$ | $g = \frac{1}{r} \frac{(kB - (m/r)B)^2}{k^2 r^2 + (m/r)^2}$ |
| 234 page 4. Rutherford equation | $\frac{dw}{dt} = 1.66 \frac{\eta}{\mu_0} [\Delta(w) - \alpha w]$ | $\frac{dw}{dt} = 1.22 \frac{\eta}{\mu_0} \Delta(w)$ |
| 234 page 6-6 2. | Crebsch | Clebsch |
| 234 page 6-6 4. | δw_{ex} | δW_{ex} |
| 238 page 7-5 2. | $C_s = (T_e/m_i)^{1/2}$ | $C_s = [(Z_i T_e + \gamma_i T_i)/m_i]^{1/2}$ |
| 238 page 7-5 4. | $\omega(\omega - \omega_*) = k_{\parallel}^2 C_s^2 \left[\frac{5}{3} \tau + 1 + \tau \frac{\omega_*}{\omega} \left(\eta - \frac{2}{3} \right) \right]$ | $\omega(\omega - \omega_*) = k_{\parallel}^2 C_s^2 \left[1 + \frac{\omega_*}{\omega} \frac{Z_i}{\gamma_i \tau + Z_i} \left(\eta_i - \frac{\gamma_i - Z_i}{Z_i} \right) \right]$ |
| 238 page 7-5 5. | $\omega^2 \sim -\frac{k_{\parallel}^2 C_s^2}{\tau} \left(\eta - \frac{2}{3} \right)$ | $\omega^2 \sim -\frac{k_{\parallel}^2 C_s^2}{2.5\tau + 1} \left(\eta_i - \frac{2}{3} \right)$ |
| 244 page 8-5 1. | $dp_a/d\psi$ | $dP_a/d\psi$ |
| 248 page 4. | (cxa) | (cxa) |
| 249 page 0.1a) (右図) | AEA | IAEA |