

頁等	誤	正
P.21 問 1 (2)	$a(t)=(\tan 2t, \log(1+t^2), e^{3t})$	$a(t)=(\tan^{-1} 2t, \log(1+t^2), e^{3t})$
P.33 問 22	$\mathbf{p} = (r \cos \theta, r \sin \theta), \dots$ で半径 r の円周上を...	$\mathbf{p} = (a \cos \theta, a \sin \theta), \dots$ で半径 a の円周上を...
P.54 問 33	$\lambda = 1$ のとき $\cos t \mathbf{c}_1 + \sin t \mathbf{c}_2 - \frac{1}{2}t(\cos t, \sin t)$	$\lambda = 1$ のとき $\cos t \mathbf{c}_1 + \sin t \mathbf{c}_2 + \frac{1}{2}t(-\cos t, \sin t)$
P.54 問 35(1)	$\frac{\partial f}{\partial u} = (0, 3v, 2), \frac{\partial f}{\partial v} = (1, 3u, 0)$ $\frac{\partial^2}{\partial u \partial v} = (0, 3, 0)$	$\frac{\partial f}{\partial u} = (v, 3v, 2), \frac{\partial f}{\partial v} = (u, 3u, 0)$ $\frac{\partial^2}{\partial u \partial v} = (1, 3, 0)$
P.54 問 36(1)	$z = \frac{1}{3}(6 - 6u - 2v)$	$z = \frac{1}{3}(6 - 6u + 2v)$
P.54 問 38(2)	$\frac{\sqrt{5}}{2} + \log(2 + \sqrt{5})$	$\frac{\sqrt{5}}{2} + \frac{1}{4}\log(2 + \sqrt{5})$
P.54 問 39(2)	法線 $-x+1=z-1, y=1$	法線 $-x+1=z+1, y=1$
P.61 問 9	$\nabla\varphi = 0$	$\nabla\varphi = \mathbf{0}$ (ゴチ)
P.67 4 行目	$\mathbf{p}=(x,y,z)$ を空間のベクトル	$\mathbf{p}=(x,y,z)$ を空間の位置ベクトル
P.76 問 7	$2x + 2y - z - 4 = 0$	$2x + 2y - z - 2 = 0$

P.70 15行目	$F \frac{\partial f}{\partial x} + G \frac{\partial f}{\partial y} + H \frac{\partial f}{\partial z}$	$F \frac{\partial f}{\partial x} + G \frac{\partial f}{\partial y} + H \frac{\partial f}{\partial z}$
P.81 問3 3行目	$C: x=t, y=t^2, z=t^3$	$C: x=t, y=t^2, z=t^3$
P.102 問3	$\left(-\frac{17}{24}, -\frac{3}{10}, -\frac{17}{30}\right)$	$\left(-\frac{17}{24}, -\frac{3}{10}, \frac{17}{30}\right)$
P.92 定理4 の証明	$\begin{aligned} \text{左辺} &= \iint_S \left\{ \left(\frac{\partial h}{\partial y} - \frac{\partial g}{\partial z} \right) dydz + \left(\frac{\partial f}{\partial z} - \frac{\partial h}{\partial x} \right) dzdx + \left(\frac{\partial g}{\partial x} - \frac{\partial f}{\partial y} \right) dydz \right\} \\ &= \iint_S \left\{ \left(\frac{\partial f}{\partial z} dzdx - \frac{\partial f}{\partial y} dx dy \right) + \left(\frac{\partial g}{\partial y} dydz - \frac{\partial g}{\partial x} dzdx \right) \right. \\ &\quad \left. + \left(\frac{\partial h}{\partial x} dx dy - \frac{\partial h}{\partial z} dydz \right) \right\} \end{aligned}$	$\begin{aligned} \text{左辺} &= \iint_S \left\{ \left(\frac{\partial h}{\partial y} - \frac{\partial g}{\partial z} \right) dydz + \left(\frac{\partial f}{\partial z} - \frac{\partial h}{\partial x} \right) dzdx + \left(\frac{\partial g}{\partial x} - \frac{\partial f}{\partial y} \right) dx dy \right\} \\ &= \iint_S \left\{ \left(\frac{\partial f}{\partial z} dzdx - \frac{\partial f}{\partial y} dx dy \right) + \left(\frac{\partial g}{\partial x} dx dy - \frac{\partial g}{\partial z} dydz \right) \right. \\ &\quad \left. + \left(\frac{\partial h}{\partial y} dydz - \frac{\partial h}{\partial x} dzdx \right) \right\} \end{aligned}$