

| 頁と行 | 誤 | 正 |
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| 第 1 章 | | |
| 5 23 | $y = \frac{\cdots - p_3 b_2 c_1}{\Delta}$ | $y = \frac{\cdots - a_3 p_2 c_1}{\Delta}$ |
| 16 9 | $\begin{pmatrix} 12 & -11 \\ 3 & 8 \end{pmatrix}$ | $\begin{pmatrix} 12 & 11 \\ 3 & 8 \end{pmatrix}$ |
| 10 10 | $\sqrt{a_1^2 + a_2^2 + a_3^3}$ | $\sqrt{a_1^2 + a_2^2 + a_3^2}$ |
| 17 12 | $\mathbf{a} = \begin{pmatrix} a_1 \\ b_1 \end{pmatrix},$ | $\mathbf{a} = \begin{pmatrix} a_1 \\ a_2 \end{pmatrix},$ |
| 17 13 | $(\mathbf{a} \ \mathbf{b}) = \begin{pmatrix} a_1 & a_2 \\ b_1 & b_2 \end{pmatrix}$ | $(\mathbf{a} \ \mathbf{b}) = \begin{pmatrix} a_1 & b_1 \\ a_2 & b_2 \end{pmatrix}$ |
| 24 6 | $\begin{vmatrix} a_1 & b_1 & c_1 \\ a_2 & b_2 & c_2 \\ a_2 & b_3 & c_3 \end{vmatrix}$ | $\begin{vmatrix} a_1 & b_1 & c_1 \\ a_2 & b_2 & c_2 \\ a_3 & b_3 & c_3 \end{vmatrix}$ |
| 第 2 章 | | |
| 33 3 | $\begin{pmatrix} a_{1j} \\ a_{2j} \\ \vdots \\ a_{mj} \end{pmatrix}$ | $\begin{pmatrix} a_{1j} \\ a_{2j} \\ \vdots \\ a_{mj} \end{pmatrix}$ |
| 33 15 | $A = \begin{pmatrix} a_{11} & a_{21} & a_{31} \\ a_{21} & a_{22} & a_{32} \\ a_{31} & a_{32} & a_{33} \end{pmatrix}$ | $A = \begin{pmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{pmatrix}$ |
| 34 16 | $B = \begin{pmatrix} b_{11} & b_{12} & b_{31} \\ b_{21} & b_{22} & b_{23} \end{pmatrix}$ | $B = \begin{pmatrix} b_{11} & b_{12} & b_{13} \\ b_{21} & b_{22} & b_{23} \end{pmatrix}$ |
| 35 2 | b_{31} | b_{13} |
| 36 22 | (3) | (4) |
| 37 17 | $= \frac{1}{4} \begin{pmatrix} 33 & 6 & -24 \\ 7 & 34 & 64 \end{pmatrix} = \begin{pmatrix} \frac{33}{4} & \frac{3}{2} & -6 \\ \frac{7}{4} & \frac{17}{2} & 16 \end{pmatrix}.$ | $= \frac{1}{4} \begin{pmatrix} 33 & 6 & -24 \\ 7 & 34 & 62 \end{pmatrix} = \begin{pmatrix} \frac{33}{4} & \frac{3}{2} & -6 \\ \frac{7}{4} & \frac{17}{2} & \frac{31}{2} \end{pmatrix}.$ |
| 40 12 | (5) $AO = A,$ | (5) $AO = O,$ |
| 第 3 章 | | |
| 51 1 | (演 3.8 参照). | (演 3.4 参照). |
| 59 20 | $= -\frac{1}{2} \times 0 = 0.$ | $= \frac{1}{2} \times 0 = 0.$ |
| 61 3 | $\begin{vmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} + c_1 a_{11} & a_{22} + c_1 a_{22} & a_{13} + c_1 a_{13} \\ a_{31} & a_{32} & a_{33} \end{vmatrix}$ | $\begin{vmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} + c_1 a_{11} & a_{22} + c_1 a_{12} & a_{13} + c_1 a_{13} \\ a_{31} & a_{32} & a_{33} \end{vmatrix}$ |
| 61 4 | $\begin{vmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} + c_1 a_{11} & a_{22} + c_1 a_{22} & a_{13} + c_1 a_{13} \\ a_{31} + c_2 a_{11} & a_{32} + c_2 a_{22} & a_{33} + c_2 a_{13} \end{vmatrix}$ | $\begin{vmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} + c_1 a_{11} & a_{22} + c_1 a_{12} & a_{13} + c_1 a_{13} \\ a_{31} + c_2 a_{11} & a_{32} + c_2 a_{12} & a_{33} + c_2 a_{13} \end{vmatrix}$ |
| 64 10 | $-a_{11} \begin{vmatrix} a_{12} & a_{13} \\ a_{32} & a_{33} \end{vmatrix}$ | $-a_{21} \begin{vmatrix} a_{12} & a_{13} \\ a_{32} & a_{33} \end{vmatrix}$ |
| 76 8 | $1 \leq i < j \leq k$ | $1 \leq i < j \leq n$ |
| 第 4 章 | | |
| 77 8 | を解を … | の解を … |
| 78 7 | を解を … | の解を … |
| 80 脚注 | $A\mathbf{x} = \mathbf{c}$ | $A\mathbf{x} = \mathbf{b}$ |
| 82 8 | $1 \leq J(1) < J(2) < \cdots < J(r) \leq \min\{m, n\}$ 注 3, | $0 \leq r \leq \min\{m, n\}$ 注 3, $1 \leq J(1) < J(2) < \cdots < J(r) \leq n,$ |
| 84 15 | $C = E$ | $P = E$ |
| 86 3 | $1 \leq J(1) < J(2) < \cdots < J(r) \leq \min\{m, n\},$ | $0 \leq r \leq \min\{m, n\}, \quad 1 \leq J(1) < J(2) < \cdots < J(r) \leq n,$ |
| 86 12 | 1 次式 | 高々 1 次式 |
| 87 13 | 1 次式 | 高々 1 次式 |
| 96 18 | $-2x + 4y - 2z = 0$ | $-2x + 4y + 3z = 0$ |
| 97 5 | $-2x + 4y - 2z = 0$ | $-2x + 4y + 3z = 0$ |
| 102 5 | $cx + cy = q$ | $cx + dy = q$ |

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| 第 5 章 | | | |
| 107 | 11 | $ A - \lambda E $ | $ R(\theta) - \lambda E $ |
| 111 | 6 | (第 3 行) - (第 2 行) | (第 3 行) + (第 2 行) |
| 112 | 16 | $(a_{11} - \lambda)(a_{11} - \lambda) \cdots (a_{11} - \lambda)$ | $(a_{11} - \lambda)(a_{22} - \lambda) \cdots (a_{nn} - \lambda)$ |
| 125 | 17 | $\mathbf{p}_2 = \frac{\mathbf{r}_1}{ \mathbf{r}_2 }, \mathbf{p}_3 = \frac{\mathbf{r}_1}{ \mathbf{r}_3 },$ | $\mathbf{p}_2 = \frac{\mathbf{r}_2}{ \mathbf{r}_2 }, \mathbf{p}_3 = \frac{\mathbf{r}_3}{ \mathbf{r}_3 },$ |
| 127 | 11 | (第 1 行) + (第 2 行) $\times \frac{2}{5}$ (第 3 行) - (第 2 行) $\times \frac{12}{5}$ | (第 1 行) - (第 2 行) $\times \frac{2}{5}$ (第 3 行) + (第 2 行) $\times \frac{12}{5}$ |
| 127 | 15 | $c_2 \begin{pmatrix} 1 \\ -2 \\ 1 \end{pmatrix}$ | $c_3 \begin{pmatrix} 1 \\ -2 \\ 1 \end{pmatrix}$ |
| 128 | 10 | $\frac{1}{6} \begin{pmatrix} 1 \\ -2 \\ 1 \end{pmatrix}$ | $\frac{1}{\sqrt{6}} \begin{pmatrix} 1 \\ -2 \\ 1 \end{pmatrix}$ |
| 130 | 7 | ${}^t x A x$ | ${}^t x A x$ |
| 131 | 1 | A | $A = \begin{pmatrix} a & b \\ c & d \end{pmatrix}$ |
| 133 | 15 | $x + \frac{1}{\sqrt{3}}z = 0$ | $x + \frac{1}{\sqrt{3}}y = 0$ |
| 133 | 16 | $z = c_1$ | $y = c_1$ |
| 133 | 21 | $x - \sqrt{3}z = 0$ | $x - \sqrt{3}y = 0$ |
| 134 | 1 | $z = c_2$ | $y = c_2$ |
| 138 | 14 | $A = \begin{pmatrix} 1 & -2 \\ 2 & -1 \end{pmatrix}$ | $A = \begin{pmatrix} \frac{9}{2} & -\frac{1}{2} \\ \frac{1}{2} & \frac{11}{2} \end{pmatrix}$ |
| 140 | 2 | $\begin{pmatrix} a & b \\ c & d \end{pmatrix}$ | $A = \begin{pmatrix} a & b \\ c & d \end{pmatrix}$ |
| 第 6 章 | | | |
| 142 | 20 | $a > 0, a \neq 0$ とする. | $a > 0, a \neq 1$ とする. |
| 153 | 7 | $b \neq 0.$ | $b \neq 0,$ |
| 160 | 10 | $f(y_1 \mathbf{b}_1 + y_2 \mathbf{b}_2 + \cdots + y_q \mathbf{b}_q)$ | $f(y_1 \mathbf{b}_1 + y_2 \mathbf{b}_2 + \cdots + y_q \mathbf{b}_q)$ |
| 161 | 7 | $c \in K$ として, | $c \in K, k \neq \ell$ として, |
| 163 | 6 | $\cdots + c_p \mathbf{a}_n$ | $\cdots + c_n \mathbf{a}_n$ |
| 163 | 13 | $1 \leq J(1) < J(2) < \cdots < J(r) \leq \min\{m, n\}.$ | $0 \leq r \leq \min\{m, n\}, 1 \leq J(1) < J(2) < \cdots < J(r) \leq n.$ |
| 165 | 4 | 3. | 2. |
| 165 | 16 | $\{f(\mathbf{x}) \mid \mathbf{x} \in K\}$ | $\{f(\mathbf{x}) \mid \mathbf{x} \in K^n\}$ |
| 166 | 19 | $\begin{cases} x_1 - 2x_2 + 3x_4 + 2x_5 = 0 \\ 3x_3 - x_4 + x_5 = 0 \end{cases}$ | $\begin{cases} x_1 - 2x_2 + 3x_4 + 2x_5 = 0 \\ x_3 - x_4 + x_5 = 0 \end{cases}$ |
| 167 | 2 | \mathbb{R} | K |
| 167 | 5 | \mathbf{a}_3 | \mathbf{u}_3 |
| 167 | 脚注 | \mathbb{R}^5 | K^5 |
| 167 | 脚注 | $W = \langle \mathbf{u}_1, \mathbf{u}_2, \mathbf{u}_3 \rangle_{\mathbb{R}}.$ | $W = \langle \mathbf{u}_1, \mathbf{u}_2, \mathbf{u}_3 \rangle_K.$ |
| 168 | 15 | 正規直交系 | 正規直交基底 |
| 170 | 7 | $\frac{1}{ \mathbf{b}_3 } \mathbf{q}_3$ | $\frac{1}{ \mathbf{q}_3 } \mathbf{q}_3$ |
| 172 | 6 | V の部分空間である. | U の部分空間である. |
| 172 | 脚注 | 他の行 | 他の列 |
| 略解 | | | |
| 173 | 9 | (1) $x = \frac{11}{7}, x = \frac{4}{7}, x = -\frac{8}{7}.$ | (1) $x = \frac{11}{7}, y = \frac{4}{7}, z = -\frac{8}{7}.$ |
| 179 | 18 | . (句点) | (削除) |
| 180 | 16 | $\begin{vmatrix} 1 & 1 & \cdots & 1 \\ 0 & x_2 - x_1 & \cdots & x_k - x_1 \\ 0 & x_2(x_2 - x_1) & \cdots & x_k(x_k - x_1) \\ \vdots & \vdots & & \vdots \\ 0 & x_2^{k-2}(x_2 - x_1) & \cdots & x_k^{k-2}(x_k - x_1) \end{vmatrix}$ | $\begin{vmatrix} 1 & 1 & \cdots & 1 \\ 0 & x_2 - x_1 & \cdots & x_k - x_1 \\ 0 & x_2(x_2 - x_1) & \cdots & x_k(x_k - x_1) \\ \vdots & \vdots & & \vdots \\ 0 & x_2^{k-2}(x_2 - x_1) & \cdots & x_k^{k-2}(x_k - x_1) \end{vmatrix}$ |

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| | 略解 | | |
| 180 | 17 | $\begin{vmatrix} 1 & \cdots & 1 \\ x_2 - x_1 & \cdots & x_k - x_1 \\ x_2(x_2 - x_1) & \cdots & x_k(x_k - x_1) \\ \vdots & & \vdots \\ x_2^{k-2}(x_2 - x_1) & \cdots & x_k^{k-2}(x_k - x_1) \end{vmatrix}$ | $\begin{vmatrix} 1 & \cdots & 1 \\ x_2 - x_1 & \cdots & x_k - x_1 \\ x_2(x_2 - x_1) & \cdots & x_k(x_k - x_1) \\ \vdots & & \vdots \\ x_2^{k-2}(x_2 - x_1) & \cdots & x_k^{k-2}(x_k - x_1) \end{vmatrix}$ |
| 181 | 14 | (3) 2. | (4) 2. |
| 182 | 8 | (2) $\begin{pmatrix} -\frac{5}{7} & -\frac{1}{6} \\ \frac{4}{7} & \frac{9}{7} \end{pmatrix}$. | (2) $\begin{pmatrix} \frac{5}{7} & -\frac{1}{6} \\ \frac{4}{7} & \frac{9}{7} \end{pmatrix}$. |
| 185 | 19 | 固方程式 | 固有方程式 |
| 189 | 1 | 復号 | 複号 |
| 190 | 4 | $P^{-1}AP = O$. | $P^{-1}XP = O$. |
| 191 | 1 | $\mathbf{x} \in \mathbb{R}^p$ | $\mathbf{x} \in K^p$ |
| 192 | 23 | $\left\{ \begin{pmatrix} \frac{1}{\sqrt{2}} \\ -\frac{1}{\sqrt{2}} \\ \frac{1}{\sqrt{2}} \end{pmatrix}, \begin{pmatrix} \frac{1}{\sqrt{6}} \\ \frac{2}{\sqrt{6}} \\ -\frac{1}{\sqrt{6}} \end{pmatrix}, \begin{pmatrix} \frac{1}{\sqrt{2}} \\ -\frac{1}{\sqrt{3}} \\ -\frac{1}{\sqrt{3}} \end{pmatrix} \right\}$ | $\left\{ \begin{pmatrix} \frac{1}{\sqrt{2}} \\ 0 \\ \frac{1}{\sqrt{2}} \end{pmatrix}, \begin{pmatrix} \frac{1}{\sqrt{6}} \\ \frac{2}{\sqrt{6}} \\ -\frac{1}{\sqrt{6}} \end{pmatrix}, \begin{pmatrix} -\frac{1}{\sqrt{3}} \\ \frac{1}{\sqrt{3}} \\ \frac{1}{\sqrt{3}} \end{pmatrix} \right\}$ |
| 193 | 6 | $\begin{pmatrix} -\frac{1}{2} & 2 \\ -\frac{5}{2} & 4 \\ -\frac{19}{2} & 19 \end{pmatrix}$ | $\begin{pmatrix} -\frac{1}{2} & 1 \\ -\frac{5}{2} & 4 \\ -\frac{19}{2} & 19 \end{pmatrix}$ |
| 193 | 7 | $\left\{ \begin{pmatrix} -1 \\ 1 \\ 1 \\ 0 \\ 0 \end{pmatrix}, \begin{pmatrix} -2 \\ 1 \\ 0 \\ 1 \\ 0 \end{pmatrix}, \begin{pmatrix} -3 \\ -2 \\ 0 \\ 0 \\ 1 \end{pmatrix} \right\}$ | $\left\{ \begin{pmatrix} -1 \\ -1 \\ 1 \\ 0 \\ 0 \end{pmatrix}, \begin{pmatrix} -2 \\ 1 \\ 0 \\ 1 \\ 0 \end{pmatrix}, \begin{pmatrix} -3 \\ -2 \\ 0 \\ 0 \\ 1 \end{pmatrix} \right\}$ |
| 193 | 8 | $\left\{ \begin{pmatrix} 0 \\ 3 \\ 1 \\ 3 \end{pmatrix}, \begin{pmatrix} 2 \\ 1 \\ 3 \\ 5 \end{pmatrix}, \begin{pmatrix} 3 \\ 1 \\ 4 \\ 7 \end{pmatrix} \right\}$ | $\left\{ \begin{pmatrix} 0 \\ 3 \\ 1 \\ 3 \end{pmatrix}, \begin{pmatrix} 2 \\ 1 \\ 3 \\ 5 \end{pmatrix}, \begin{pmatrix} 3 \\ 2 \\ 4 \\ 7 \end{pmatrix} \right\}$ |
| 193 | 8 | $\left\{ \begin{pmatrix} -\frac{1}{2} \\ \frac{1}{2} \\ 0 \\ 1 \end{pmatrix} \right\}$ | $\left\{ \begin{pmatrix} \frac{1}{2} \\ -\frac{1}{2} \\ 0 \\ 1 \end{pmatrix} \right\}$ |
| 194 | 2 | $f^{-1} \neq \emptyset$ | $f^{-1}(W) \neq \emptyset$ |
| 194 | 3 | $f(\mathbf{u}_1), f(\mathbf{u}_2) \in f(W)$ なので, | $f(\mathbf{u}_1), f(\mathbf{u}_2) \in W$ なので, |
| 194 | 6 | $\mathbf{x} = s_1 \mathbf{a}_1 +$ | $f(\mathbf{x}) = s_1 \mathbf{a}_1 +$ |
| 194 | 22 | $(\mathbf{b}_1 \ \mathbf{b}_2 \ \cdots \ \mathbf{b}_r \ \mathbf{0} \ \mathbf{0} \ \mathbf{0})$ | $(\mathbf{b}_1 \ \mathbf{b}_2 \ \cdots \ \mathbf{b}_r \ \mathbf{0} \ \mathbf{0} \ \cdots \ \mathbf{0})$ |
| 194 | 28 | 演 6.12 より, | 演 6.10 より, |
| 194 | 28 | $(\mathbf{e}_1 \ \mathbf{e}_2 \ \cdots \ \mathbf{e}_r \ \mathbf{0} \ \mathbf{0} \ \cdots \ \mathbf{0})$ | $\text{rank}(\mathbf{e}_1 \ \mathbf{e}_2 \ \cdots \ \mathbf{e}_r \ \mathbf{0} \ \mathbf{0} \ \cdots \ \mathbf{0})$ |