# 確率論の手引 Vol 1 正誤表

## A1 確率論「正誤表」[1)]

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 2 | ↓ 1 | 測度論的確論 | 測度論的確率論 |
| | ↓ 7 | THH | TTH |
| | ↑ 14 | 表わされてる | 表わされている |
| | ↑ 7 | $\rho(\omega_1)+\rho(\omega_2)+\rho(\omega_n=1-\frac{1}{2^n}$ | $P(\omega_1)+P(\omega_2)+\cdots+P(\omega_n)=1-\frac{1}{2^n}$ *) |
| 3 | ↓ 1,2 | $=\frac{1}{2}(=P(\omega_n+1)+$ | $=\frac{1}{2^n}=(P(\omega_{n+1})+$ |
| | ↑ 5 | 余事象 | 余事象 |
| | ↑ 2 | 積事象 | 積事象 |
| 4 | ↓ 3 | Pの値（P(E)を | Pの値P(E)を |
| | ↓ 8 | 1.1—1.3）により | 1.1)−1.3)により |
| 5 | ↓ 7 | vandom vector | random vector |
| | ↓ 8 | $R^k$−valued vandom | $R^k$−valued random |
| | ↓ 13 | $mx$ | $m_x$（$x$は$m$の下つき）*) |
| | ↑ 10 | $x$の分散 | $x$の分散 |
| | ↑ 7 | 2.4) $E(\alpha x+\beta y)=$ | $E(\alpha x+\beta y)=$ |
| | ↑ 5 | 2.5) $V(\alpha x+\beta)=$ | $V(\alpha x+\beta)=$ |
| | ↑ 3 | $E(\lvert x\rvert^p)\int_\Omega \lvert x(\omega)\rvert^p dP(\omega)$ | $E(\lvert x\rvert^p)=\int_\Omega \lvert x(\omega)\rvert^p dP(\omega)$ |
| 6 | ↓ 11 | Markovの不等式 | Markov の不等式 |
| | ↑ 5 | 分散行列 | 分散行列 |
| 7 | ↑ 7 | 互の特性函数 | 互の特性函数 |
| 8 | ↑ 12 | 無限独立事象系 | 無限独立事象系 |
| | ↑ 3 | $\frac{\lim}{n} E_n=\bigcap_k \bigcup_{n\geq k} E_n$ | $\underline{\lim}_n E_n=\bigcup_k \bigcap_{n\geq k} E_n$ |
| 9 | ↓ 3 | $P(\overline{\lim}_n E_n=0$ | $P(\overline{\lim}_n E_n)=0$ |
| | ↓ 7 | $P(\overline{\lim}_n=1-P(\underline{\lim s}_n E_n^c)$ | $P(\overline{\lim}_n E_n)=1-P(\underline{\lim}_n E_n^c)$ |
| | ↓ 8 | $\frac{\lim}{n} E_n^c$ | $\underline{\lim}_n E_n^c$ |
| | ↑ 10 | $R^{kn}$ | $R^{k_n}$（$n$は$k$の下つき）*) |

1) 記号，suffix のまぎらわしいものについては，代表的に一ケ所のみ指定し，*) をつけておく。

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 9 | ↑ 6 | 独立な有限確率なベクトル系 | 独立な有限確率ベクトル系 |
| 10 | ↓ 9 | $k_2+\cdots\cdots+k_n$); $x$), | $k_2+\cdots+k_N$): $x$), |
| | ↓ 9 | $\varphi((\xi_1,\xi_2,\cdots\cdots,k_n);x_n)$ | $\varphi((\xi_1,\xi_2,\cdots,\xi_{k_n});x_n)$ |
| 12 | ↓ 2 | $E$の条件付確率 | $E$の条件付確率 |
| | ↓ 8,9 | $\omega\in F\Longrightarrow P(E/\mathbb{B}_1)(\omega)=a$,<br>となっている。特に$a>0$ならば | $\omega\in F\Rightarrow P(E/\mathbb{B}_1)(\omega)=a$,<br>$\omega\in F^c\Rightarrow P(E/\mathbb{B}_1)(\omega)=b$,<br>となっている。特に$P(F)>0$ならば |
| | ↓ 14 | Booel-Cantelli | Borel-Cantelli |
| 13 | ↓ 8 | $E(x/x\lambda,\lambda\in\Lambda)\simeq E(x/x\lambda j,j=1,2,\cdots)$ | $E(x/x_{\lambda},\lambda\in\Lambda)\simeq E(x/x_{\lambda_j},j=1,2,\cdots)$*)<br>($\lambda$は$x$の下つき, $j$は$\lambda$の下つき) |
| | ↑ 6 | $P_{\mathbb{B}_1}$ | $P_{\mathbb{B}_1}$ ($\mathbb{B}$は$P$の, 1は$\mathbb{B}$の下つき)*) |
| 14 | ↓ 5 | $P\mathbb{B}1$ | $P'_{\mathbb{B}_1}$ |
| 15 | ↓ 4 | $P(^{max}_{n+1\le l\le m}\|x_n-x_l\|>\varepsilon)\to 0$ | $P(\max_{n+1\leqq l\leqq m}\|x_n-x_l\|>\varepsilon)\to 0$ |
| 16 | ↓ 18 | $R^k$ で広義一様収束 | $R^k$ で収束し，かつその収束が<br>$\xi=0$ の近傍において一様 |
| 17 | ↓ 6 | $P(^{max}_{1\le j\le n}\|x_1+x_2+\cdots+$ | $P(\max_{1\leqq j\leqq n}\|x_1+x_2+\cdots+$ |
| | ↑ 9,10 | $\sum_{n=1}^{\infty}V(x_n)$ が共に収束 | $\sum_{n=1}^{\infty}V(x_n)$ が共に収束 ⟹ |
| | ↑ 2 | 収束の関には 5・11)の関係に | 収束の間には 5・11)の関係が |
| 18 | ↓ 15 | concentrations | concentration |
| 19 | ↑ 5 | $\frac{1}{g\Phi(1)}$ | $\frac{1}{g_{\Phi}(1)}$ |
| 20 | ↑ 10 | Stochastic process | Stochastic processes |
| 21 | 左↑ 12 | 独立な無限……〃……9 | 独立な無限 〃 ……9 |
| | 左↑ 9 | Glwenko の定理 | Glivenko の定理 |
| | 右↑ 17 | $R^R$—値の | $R^k$-値の |
| | 右↑ 13 | $R^R$ の | $R^k$ の |
| 22 | 右↓5~7 | Y<br>和事象……3<br>余事象……3 | W<br>和事象……3<br>Y<br>余事象……3 |

# A2. 確率分布「正誤表」

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 1 | ↑ 6 | 測定空間 | 測度空間 |
| | ↑ 2,3,4 | 確立分布 | 確率分布 |
| 2 | ↑ 11,12 | algebra | algebra |
| 3 | ↓ 5 | $\prod_{\lambda\varepsilon\Lambda}\Omega\lambda=\Omega\underline{\Lambda}$ は | $\prod_{\lambda\in\Lambda}\Omega_\lambda=\Omega_\Lambda$ は |
| | ↓ 6 | $\prod_{\lambda\varepsilon\Lambda} S\lambda=S\Lambda\in.\{E\lambda_1\times\cdots\times$ | $\prod_{\lambda\in\Lambda} S_\lambda=S_\Lambda$ は $\{E_{\lambda_1}\times\cdots\times$ |
| | ↓ 7 | $\prod_{\lambda\in\Lambda-\{\lambda_1,\cdots\lambda_n\}}\Omega\lambda_i, E\lambda i\in S\lambda i,$ | $\prod_{\lambda\in\Lambda-\{\lambda_1,\cdots,\lambda_n\}}\Omega_\lambda$, $E_{\lambda_i}\in S_{\lambda_i}$, |
| 4 | ↑ 5 | (probability space) | (probability space) |
| | ↑ 2 | vrndom variable | random variable |
| | ↑ 1 | $\xi(\ \ )$ | $\xi(\omega)$ |
| 5 | ↓ 4 | distin bution | distribution |
| | ↑ 10 | $\mathcal{B}<\mathcal{B}^*$ | $\mathcal{B}\subset\mathcal{B}^*$ |
| | ↑ 3 | $Zn \bar{\in} Un \bar{\in} Zn+1$ | $Z_n\subsetneqq U_n\subsetneqq Z_{n+1}$ |
| | ↑ 2 | $C(\bar{\in}\times)$ | $C(\subsetneqq X)$ |
| 6 | ↓ 2 | $m(;)$ | $m(\cdot)$ |
| | ↓ 8 | $E<\cup$ | $E\subset U$ |
| | ↓ 14 | $m++m^-$ | $m^++m^-$ |
| | ↓ 15 | Banacb space | Banach space |
| | ↓ 19 | $m\varepsilon\ me(x)$ | $m\in\mathfrak{M}(X)$ |
| | ↓ 19 | $CC\times 1$ | $C(X)$ |
| | ↑ 9 | $B^\times$ | $B^*$ |
| | ↑ 3 | $m\in\mathfrak{M}e\,\sigma(X)$ | $m\in\mathfrak{M}(X)$ |
| | ↑ 2 | $\mathfrak{M}e$ の $(x)$ | $\mathfrak{M}_\sigma(X)$ |
| 7 | ↓ 1 | courtably additive | countably additive |
| | ↑ 12 | 9は Compact | 又は compact |
| | ↑ 8 | $\mathfrak{M}e\,\tau(x)$ | $\mathfrak{M}_t(X)$ |
| | ↑ 5 | $m*\ (x-K5)$ | $m_*(X-K_\delta)$ |
| | ↑ 3 | コンパクト集合Kが | コンパクト集合 $K_\delta$ が |
| 8 | ↓ 7 | $\mathfrak{M}e\,\sigma(x)-\mathfrak{M}e\,\tau(x)$ | $\mathfrak{M}_\sigma(X)=\mathfrak{M}_\tau(X)$ |
| | ↑ 14 | $mo, \{>0, \cdots\cdots$ | $m_0,\ \varepsilon>0,\ \cdots\cdots$ |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 8 | ↑ 13 | －位相により | W－位相により |
| 10 | ↓ 3 | Complate | Complete |
| | ↓ 6 | $F(cx)$ は閉集合 | $F(\subset X)$は閉集合 |
| | ↓ 7 | $m\,|(F) < m_2(F^{\varepsilon})$ | $m_1(F) < m_2(F^{\varepsilon})$ |
| | ↓ 9 | Léuy | Lévy |
| | ↑ 15 | $V c X - Cn,$ | $V \subset X - c_n$ |
| 11 | ↓ 2 | paracowpact | paracompact |
| | ↓ 2 | lo cally cermpact | locally compact |
| | ↓ 4 | Dieu daine | Dieudonne |
| | ↑ 9 | reguler sequence $\{Zu\}$ | regular sequence $\{z_n\}$ |
| | ↑ 5 | $\mathfrak{M}e\,\sigma(X_o)$ | $\mathfrak{M}_{\sigma}(X_0)$ |
| | ↑ 1 | $\mathfrak{M}e_o$の$(X)$ | $\mathfrak{M}_{\sigma}(X)$ |
| 12 | ↓ 5 | metic space | metric space |
| | ↑ 16 | 確立空間 | 確率空間 |
| | ↑ 11 | $\Phi ti_1 -\circ- tin$ | $\Phi_{t_{i_1}, \cdots, t_{i_n}}$ |
| | ↑ 2 | Kolmogoror | Kolmogorov |
| 13 | ↓ 6 | $\{w; w(\square) \in G_1)\cdots,$ | $\{w;\ w(t_1) \in G_1, \cdots,$ |
| | ↓ 9 | $S \in S$ | $s \in S$ |
| | ↓ 14 | $\varepsilon_S$ | $c_S$ |
| | ↑ 10 | $\lambda \propto \mu$ | $\lambda < \mu$ |
| | ↑ 9 | $\mathcal{B}_{\infty}{}^{*}$ | $\mathcal{B}^{*}_{\infty}$ |
| | ↑ 5 | $\lambda_1 \propto \lambda_2 \propto \lambda_3 \propto \cdots \propto$ | $\lambda_1 < \lambda_2 < \lambda_3 < \cdots <$ |
| | ↑ 4 | $\omega\lambda\mathring{\gamma} = \pi\lambda_{\gamma}\lambda_S(\omega\lambda\mathring{}s)$ | $\omega^{\circ}_{\lambda_{\gamma}} = \pi_{\lambda_{\gamma}\lambda_S}(\omega^{\circ}_{\lambda_S})$ |
| | ↑ 4 | $\omega\lambda\mathring{\gamma} = \pi\lambda\gamma\infty(\omega^{\circ})$ | $\omega^{\circ}_{\lambda_{\gamma}} = \pi_{\lambda_{\gamma}\infty}(\omega^{\circ})$ |
| 14 | ↓ 1 | measwe | measure |
| | ↓ 5 | $Ei \in S$ | $E_i \in S_i$ |
| | ↓ 7 | $(\prod_{i=1}^{n} \Omega : 1 \cdots$ | $(\prod_{i=1}^{n} \Omega_i, \cdots$ |
| | ↓ 11 | $P_T(\prod_{t\in S}, At, \times \cdots$ | $P_T(\prod_{t\in S}, A_t \times \cdots$ |
| | ↑ 11 | graup | group |
| 15 | ↓ 9 | Boul | Borel |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 15 | ↓ 11 | sem-group | semi-group |
| | ↑ 2 | $E\in B(R^u)$ | $E \in B(R^n)$ |
| 16 | ↓ 3 | $\{P_\sigma\}$ | $\{P_\alpha\}$ |
| | ↓ 7 | $\{t:t\in T: x(+)\neq 0\}$ | $\{t; t\in T; x(t)\neq 0\}$ |
| | ↓ 8 | $R^{T'}$ | $R^T$ |
| | ↓ 8 | $R^T_0$ の中z | $R^T_0$ の中でz |
| | ↓ 16 | couvex | convex |
| | ↑ 15 | 線線型‥‥ | 続線型‥‥ |
| | ↑ 15 | $X^* = (XJ^*)$ | $X^* = (X_J^*)$ |
| | ↑ 12 | $\cdots x_j{}^{t}(x) < bj < \infty\}$ | $\cdots x_j^*(x) < b_j < \infty\}$ |
| | ↑ 11 | $\bigcup_{\lambda u} \mathcal{L}^{\lambda u}$ | $\bigcup_{\lambda n} \mathcal{L}^{\lambda n}$ |
| | ↑ 7 | $x(x^x, P) = \int_X e^{i}x^x(x)\,dP(x)$ | $\chi(x^*; p) = \int_X e^{ix^*(x)}\,dP(x)$ |
| | ↑ 6 | furmetional | functional |
| 17 | ↓ 1 | $x(t, x^* 2)$ | $\chi(tx^*, p)$ |
| | ↑ 11 | $\beta k = \cdots$ | $\beta_k = \cdots$ |
| | ↑ 1 | $\alpha_i^4$ | $\alpha_1^4$ |
| 18 | ↓ 2 | $(i,)$ | $(i, j)$ |
| | ↓ 2 | $E(P):j$ | $E(p)_{ij}$ |
| | ↑ 15 | $QF(e)$ | $Q_F(\ell)$ |
| | ↑ 12 | $gF(e)$ | $g_F(\ell)$ |
| | ↑ 2 | $F(x)$は‥‥ | $*$ $F(x)$は‥‥ |
| 19 | ↓ 5 | $g_{\overline{F}} =$ | $g_{\overline{F}}$, |
| | ↑ 3,4 | $R^u$ | $R^n$ |
| 20 | ↓ 5 | $\overline{li}_{n\to\infty}$ | $\overline{\lim}_{n\to\infty}$ |
| | ↓ 6 | $\lim_{n\to\infty} \rho(P_n, P)$ | $\lim_{n\to\infty} \rho(P_n, P) = 0$ |
| 21 | ↓ 1,10 | distri bution | distribution |
| | ↓ 2 | Kolmogovov | Kolmogorov |
| 22 | ↓ 4 | characderization | characterization |
| | ↓ 7 | expavsions | expansion |
| | ↓ 10 | voriables, Traus | variables, Trans |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 22 | ↓ 13 | Mathe matical | Mathematicae |
| | ↑ 17 | Univarsity | University |
| | ↑ 7 | Her bert | Herbert |
| 23 | ↓ 2 | trausl | transl |
| | ↓ 3 | (mais.) adesion | (mass.) adision |
| | ↓ 13 | weasures | measures |
| | ↑ 17 | con vergenels | convergences |
| | ↑ 16 | Hech | Mech |
| | ↑ 10 | naug | nung, |
| | ↑ 3 | lex | less |
| 24 | ↓ 10 | Maskov | Moskov |
| | ↑ 9 | tos Ongeles | Los Angeles |
| | ↑ 7 | randtom measnre | random measure |
| | ↑ 7 | conyact apace | compact space |
| 25 | ↓ 4 | Certau | Certain |
| | ↓ 5 | Jounal | Journal |
| | ↓ 8 | niethad | method |
| | ↓ 9 | stochustic | stochastic |
| | ↓ 10 | Matheniatics | Mathematics |
| | ↓ 12 | nietric | metric |
| | ↑ 2 | stoble | stable |
| 27 | ↓ 4 | 単位分散 | 単位分布 |

# B1. Brown運動(上)「正誤表」

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 目次1 | ↓ 10 | $\boxed{2.4}$ space-lime | $\boxed{2.4}$ space-time |
| | ↑ 6 | $\underline{t}^{-1}$ | $\underline{t}^{+}$ |
| | ↑ 1 | Hausdorff | Hausdorff(*) |
| 目次2 | ↓ 1 | prodvct | product |
| | ↓ 1 | stochostic | stochastic |
| | ↓ 14 | green | Green |
| | ↓ 15 | Labachevsky | Lobachevsky |
| 目次3 | ↓ 10 | $u$ の台 | $\mu$ の台 |
| 1 | ↓ 5 | Kolmogorav | Kolmogorov(*) |
| | ↓ 10 | Fowrier | Fourier |
| | ↓ 15 | Borel , Boral | Borel(*) |
| 2 | ↓ 9 | 正規型変数系( ⟶ ) | 正規型変数系( ⟶ 確率過程) |
| | ↓ 13 | 確率過程( ⟶ ) | 確率過程( ⟶ 確率過程) |
| 3 | ↓ 1 | tri angle fun ctions | triangle functions |
| | ↑ 9 | 充て | 充して |
| 4 | | この頁及び5頁5行迄の $t,$ | $t_1$ |
| 5 | ↓ 11 | Patlh | Path |
| | ↓ 11 | $xt(w)$ | $x_t(w)$ |
| | ↓ 14 | Boiel | Borel |
| | ↓ 18 | $P^{(a)}_{t,t_2\text{-}t_n}(E)=\cdots g(t_n\text{-}t_{n-1},a_{n-1},a_n)da,$ | $P^{(a)}_{t_1,t_2,\cdots t_n}(E)=\cdots g(t_n-t_{n-1},a_{n-1},a_n)da_1$ |
| 6 | ↓ 10, 11 | leir | lim |
| | ↓ 13 | storting | starting |
| | ↓ 14 | Browrian | Brownian |
| | ↓ 17 | me asure | measure |
| | ↑ 7 | d次元Brown運動 | <u>d次元Brown運動</u> |
| 7 | ↓ 1 | $(x,(\cdot w),\cdots;x_d(\cdot w))$ | $(x_1(w),\cdots,x_d(w))$ |
| | ↓ 13 | $Ql$ | $Q_\ell$ |
| | ↓ 14 | (symmetric) random wolk | (symmetric) random wälk |
| | ↑ 9 | $Pn(B)=\qquad(\pi_n^{-1}(B))$ | $P_n(B)=Q_0(\pi_n^{-1}(B))$ |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 8 | ↓ 7,15 | rondam walk | random walk |
| 9 | ↓ 2 | 確率速度 | 確率測度 |
| | ↑ 5 | S. Boclrner | S. Bochner |
| 10 | ↓ 8, 9 | $\mathcal{J}$ | $T$ |
| | ↑ 6 | $[x/t\omega);0\leqq t\leqq /P]$ | $[x(t,w);\ 0\leqq t\leqq 1,\ P]$ |
| | ↑ 6 | Le'vz | Lévy |
| 11 | ↓ 4 | 1. 5で | $\boxed{1.5}$で |
| | ↓ 13 | $\boxed{群\ T_t}$ | $\boxed{半群\ T_t}$ |
| | ↑ 3 | $(2\pi t)^{\frac{d}{2}}\cdot e^{\frac{1}{2}\lVert a-b\rVert^2}$ | $(2\pi t)^{-\frac{d}{2}}\ e^{-\frac{1}{2}\lVert a-b\rVert^2}$ |
| 12 | ↓ 3 | Kalmogorov-Chapmann | Kolmogorov-Chapman |
| | ↑ 9 | Semigroup | Semi-group |
| 13 | ↓ 5 | $\lVert_\alpha G_\alpha f-f\rVert\longrightarrow 0$ | $\lVert\alpha G_\alpha f-f\rVert\longrightarrow 0$ |
| | ↓ 14 | $u=G_2 f$ | $u=G_\alpha f$ |
| | ↑ 7 | $K_0(a)=\dfrac{\gamma(\frac{d}{2}-1)}{4\pi^{d/2}}$ | $K_0(a)=\dfrac{\Gamma(\frac{d}{2}-1)}{4\pi^{d/2}}$ |
| 16 | ↓ 14 | $+E_a\{e^{-\alpha\delta(w)}u(x(\delta(w),w'));\cdots$ | $+E_a\{e^{-\alpha\sigma(w)}u(x(\sigma(w),w));\cdots$ |
| | ↑ 4 | Potential に | Potential 論の |
| 17 | ↓ 6 | $d=d,2$ | $d=1,2$ |
| | ↑ 5 | hittung | hitting |
| | ↑ 4 | 調和速度(harmanic… | 調和測度(harmonic… |
| | ↑ 2 | $D,\subset D_2$ | $D_1\subset D_2$ |
| 18 | ↓ 10 | $(2.13)\cdots=\lim\limits_{\alpha\downarrow 0}[K_\alpha(a)-K_\alpha(a_0)_0]=\cdots$ | $(2.13)\cdots=\lim\limits_{\alpha\downarrow 0}[K_\alpha(a)-K_\alpha(a_0)]=\cdots$ |
| | ↑ 13 | newton potential | Newtonian potential |
| 19 | ↑ 8 | $(2.19)\ G^b(a.b)=\dfrac{1}{4\pi d-2}\cdots$ | $(2.19)\ G^D(a,b)=\dfrac{1}{4\pi^{d-2}}\cdots$ |
| 20 | ↓ 5 | 下半連続, $\lim\limits_{b\to a}u(b)=u\lvert a)$ | 下半連続, $\lim\limits_{b\to a}u(b)=u(a)$ |
| | ↑ 10 | (Riesz's decompcesition) | (Riesz's decomposition) |
| 21 | ↓ 10 | Space-time Brownian 運動 | Space-time Brown 運動 |
| | ↓ 17 | 連続な函数を$(j=12,\cdots d)$ | 連続な函数を$f_j(j=1,2,\cdots,d)$ |
| | ↑ 3 | lowev bourre dary | lower boundary |
| 23 | ↓ 4 | $(4.7)\ \dfrac{\partial u}{\alpha S}\dfrac{(z)}{}\dfrac{1}{2}\Delta u(z)=0$ | $(4.7)\ \dfrac{\partial u(z)}{\partial S}=\dfrac{1}{2}\Delta u(z)$ |
| | ↓ 6 | $1)-\infty\leqq\quad<+\infty$ | $1)\ -\infty\leqq u<+\infty$ |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 23 | ↓ 7 | 2)…, $\overline{\lim}_{z\to\varepsilon_0} u z) = u(z_0)$ | 2)…, $\overline{\lim}_{z\to z_0} u(z) = u(z_0)$ |
| | ↓ 9 | prabolic | parabolic |
| 24 | ↓ 1 | (5.2) … $= \frac{\alpha}{\Gamma(1-Z)}$ … | (5.2) … $= \frac{\alpha}{\Gamma(1-\alpha)}$ … |
| | ↓ 3 | (5.3) … $=\Gamma\left(\frac{d-\alpha}{2}\right)\left[2\alpha\pi\Gamma\left(\frac{\alpha}{2}\right)\right]^{-1}$ | (5.3) … $=\Gamma\left(\frac{d-\alpha}{2}\right)\left[2^{\alpha}\pi^{\frac{d}{2}}\Gamma\left(\frac{\alpha}{2}\right)\right]^{-1}$ |
| | ↓ 4,5,6 | $0<\alpha<1$, $0<\alpha<2$, $0<\alpha\leqq 2$ | $0<\alpha<1$, $0<\alpha<2$, $0<\alpha\leqq 2$ |
| | ↓ 8 | Riisz　ポランシヤル | Riez ポテンシャル |
| | ↓ 9 | $0<\alpha<1$, … $0<\alpha<2$ | $0<\alpha<1$, …, $0<\alpha<2$ |
| | ↓ 10 | $\{\tilde{T}_t^{(\alpha)}; t>0\}$ の | $\{\tilde{T}_t^{(\alpha)}; t>0\}$ の生成作用素 |
| | ↑ 4 | … $= \bar{\lambda}^{-\alpha}$ | … $= \lambda^{-\alpha}$ |
| | ↑ 3 | $\gamma^{(\alpha+3)}(\tau)$ | $\gamma^{(\alpha+\beta)}(\tau)$ |
| 27 | ↓ 1 | §図、Brown 運動から導かれる | 図 Brown 運動から導びかれる |
| | ↓ 10 | 確実過程 | 確率過程 |
| | ↓ 13 | 字数値連続函数 $w$ | 実数値連続函数 $w$ |
| | ↓ 17 | Leliesgue | Lebesgue |
| | ↑ 1 | trausborwatiou | transformation, |
| 28 | ↓ 1 | preservuig trausforwation) | preserving transformation) |
| | ↓ 13 | 5) $\bigvee_{t=-\infty}^{+\infty} \mathbb{B}_\tau = \mathbb{B}_0$ | 5) $\bigvee_{-\infty}^{+\infty} \mathbb{B}_t = \mathbb{B}_0(w)$ |
| | ↓ 16 | Paissou | Poisson |
| 29 | ↓ 7,8,9 | $H_u$ , $x_u$ | $H_n$ , $x_n$ |
| | ↓ 10 | $d\rho_u(\lambda)=dE(\lambda)x_u\|^2$ | $d\rho_n(\lambda)=\|dE(\lambda)x_n\|^2$ |
| | ↓ 11 | (rpe ctral tupe) は $\underline{\aleph_0}$ー | (spectral type) は $\underline{\aleph_0}$ー |
| | ↓ 13 | [A] $M(x)=$ … は行をかえる | |
| | ↑ 7 | (mi ling tupe) | (mixing type) |
| | ↑ 4 | (Ergvdie) | (Ergodic) |
| 30 | ↓ 3 | [ㄥ] [$B(E)$; $E\in\mathbb{B}^*$] は… | [A] [$B(E)$; $E\in\mathbb{B}^*$] は… |
| | ↓ 12 | gavsion ran don measuc | Gaussian random measure |
| | ↑ 12 | (3.3) $I(f I(f,w)=l.\underset{n\to\infty}{i.m} I(f_{11})$ | (3.3) $I(f)=I(f,w)=l.\underset{n\to\infty}{i.m} I(f_n)$ |
| 31 | ↓ 1 | L.Schwaitgz | L.Schwartz |
| | ↓ 2 | sepajable, | separable |
| | ↓ 6 | (3.5) … $=\int_{(S^*)} e^{i(\pi\varphi)}\,d\mu(x)$ | (3.5) … $=\int_{(S^*)} e^{i(x,\varphi)}\,d\mu(x)$ |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 31 | ↓ 14 | gausion measure | Gaussian measure |
| | ↓ 15 | covari auce function al | covariance functional |
| | ↑ 10 | (3.7) $\cdots = E(e^{i\Sigma z_j \dot{B}(t_k \varphi_j)})$ | (3.7) $\cdots = E(e^{i\Sigma z_j \dot{B}(\tau_k \varphi_j)})$ |
| | ↑ 3 | homeomor phvsm | homeomorphism |
| 32 | ↓ 1 | $0$ と $0^{-1*}$ を icleuti fy | $0$ と $0^{**}$ を identify |
| | ↓ 5 | (rotaton invar i ant) | (rotation invariant) |
| | ↓ 8 | $(\mathcal{S}^{+})$ の nie asureu が | $(\mathcal{S}^{*})$ の measure $\mu$ が |
| | ↓ 13 | $(\mathcal{S}^{*})$ の 点における | $(\mathcal{S}^{*})$ の原点における |
| | ↑ 8 | $C_{B}(\varphi)=exp\{-\frac{1}{2}\int_{-\infty}^{\infty}\varphi^2/t/dt\}$ | $C_{B}\cdot(\varphi)=exp\{-\frac{1}{2}\int_{-\infty}^{\infty}\varphi^2(t)\,dt\}$ |
| | ↑ 5 | (reproduaing ker nel) | (reproducing kernel) |
| 33 | ↓ 2 | 多項式 $R_1 \cdots P_n$ | 多項式 $P_1, \cdots, P_n$ |
| 34 | ↓ 1 | (4.11) $d\sigma_n(t)=$ conustx $\cdots$ | (4.11) $d\sigma_n(t)=$ const. $\times \cdots$ |
| | ↓ 8 | K·Ɩtv | K. Ito |
| | ↑ 9 | $\Sigma a_{i_1 \cdots ip}\, \chi E_2(t_1) \cdots \chi E_p(tp)$ | $\Sigma a_{i_1 \cdots i_p}\, \chi_{E_1}(t_1) \cdots \chi_{E_p}(t_p)$ |
| 35 | ↓ 5 | 励く | 動く |
| | ↓ 9 | 4) $\cdots E(Ip(f)\, I_q(g))=0$ | 4) $\cdots E(I_p(f)\, \overline{I_q(g)})=0$ |
| | ↓ 10 | 今 $\varphi=\varphi(+_1 \cdots tp) \varepsilon L^2 p,$ | 今 $\varphi=\varphi(t_1, \cdots, t_p) \in L^2{}_{P_1}$ |
| | ↓ 12 | $(\varphi \times \psi)_{(k)}(t_1 \cdots t_{k-1}, t k-1 \cdots tp)$<br>$=\int \varphi / t_1 \cdots t_p) \psi / t_k) dm(t_k)$ | $(\varphi \underset{(k)}{\times} \psi)(t_1, \cdots, t_{k-1}, t_{k+1}, \cdots, t_p)$<br>$=\int \varphi(t_1 \cdots t_p) \psi(t_k)\, dm(t_k)$<br>$dm=$ ルベック測度 |
| | ↑ 5 | (5.5) $F_D=\int \cdots \int \varphi(t_1) \cdots \varphi(t_D) dB(t_1) \cdots$<br>$dB(tp) \quad p=1.2, \cdots$ | (5.5) $F_p=\int \cdots \int \varphi(t_1) \cdots \varphi(t_p)\, dB(t_1) \cdots$<br>$dB(t_p) \quad p=1, 2, \cdots$ |
| | ↑ 1 | Hermit 多 式 | Hermit多項式 |
| 38 | ↓ 2 | $(J)=(J_1 --- J_q)$ は | $(j)=(j_1, \cdots, j_q)$ |
| | ↑ 8 | $\overline{dM(S_{..})} --- dM(S_K t_K)$ | $\overline{dM(S_{11})} --- \overline{dM(S_{Kt_k})}$ |
| | ↑ 5 | 誤 (5.17) $\cdots C\binom{p_1 q_1 \cdots p_s\, q}{\alpha_1 \cdots \alpha_s} \prod_{i=1}^{s} H_{p_i q_i}(\int \varphi_{\alpha_u}(t)\, dM(t), \overline{\int \varphi_{\alpha_i}(t) M(t)})$ | 正 (5.17) $\cdots C\binom{p_1 q_1 \cdots p_s q_s}{\alpha_1 \cdots \alpha_s} \prod_{i=1}^{s} H_{p_i q_i}(\int \varphi_{\alpha_i}(t)\, dM(t), \overline{\int \varphi_{\alpha_i}(t)\, dM(t)})$ |
| | ↑ 2 | $[\int]$ | [5] |
| 39 | ↓ 11 | $B(t,w): 0 \leqq t < +\infty]$ | $[B(t,w);\ 0 \leq t < +\infty]$ |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 39 | ↑ 8 | IHwi $c_1f_1$ ¬(2f2)=⋯ | $I(t,w;\ c_1f_1+c_2f_2)=\cdots$ |
| 40 | ↓ 13 | (stochastic lifferential) | (stochastic differential) |
| | ↓ 14 | をし 次元 Brown 運動 | を1次元 Brown 運動 |
| | ↑ 2 | b(t)=($b^i_j$(t) ;1≦i≦n,1≦j≦a) | $b(t)=(b^i_j(t);\ 1\leqq i\leqq n,\ 1\leqq j\leqq d)$ |
| 41 | ↑ 8 | stocbastieを differenlial | stochastic differential |
| | ↑ 3 | x(tw)=($x^1$/+u),-/xd(tw)) | $x(t,w)=(x^1(t,w),\cdots,x^d(t,w))$ |
| | ↑ 1 | ξ(w)=($\xi^1$(w)-; ξd·(u)) | $\xi(w)=(\xi^1(w),\cdots,\xi^d(w))$ |
| 43 | ↓ 10 | (→1.1.4) | (→ $\boxed{1.4}$) |
| | ↓ 16 | {tぢ ; j≧0} | $\{t_j;\ j\geqq 0\}$ |
| 44 | ↓ 5 | (lawer class) | (lower class) |
| | ↓ 9 | (下級 $\mathcal{L}d$) | (下級 $\mathcal{L}^\circ_d$) |
| | ↓ 14 | $\varphi\mathcal{L}^\circ d$ ならば | $\varphi\in\mathcal{L}^\circ_d$ ならば |
| | ↑ 1 | (2.7) $P_0(\lim_{t\to0}\frac{\Vert x(t,w)\Vert}{\sqrt{2t\,loy\,loy\frac1t}}=1)$ | (2.7) $P_0(\overline{\lim_{t\to0}}\frac{\Vert x(t,w)\Vert}{\sqrt{2t\log\log\frac1t}}=1)$ |
| 45 | ↓ 5 | (Thearems of ⋯) | (Theorems of ⋯ ) |
| | ↓ 8 | (→ 2.2.4) | (→ $\boxed{2.4}$) |
| | ↓ 18 | $f\in\mathbb{C}((0,\square)$ で | $f\in\mathbb{C}((0,\varphi))$で |
| | ↑ 8 | regulon | regular |
| | ↑ 6 | (→ 5.5) | (→ $\boxed{5.9}$) |
| | ↑ 4 | [$A_i$][$A_2$]∧u[$A_3$] は | [$A_1$], [$A_2$] 及び [$A_3$]は |
| | | $\overline{\lim_{t\to0}}$ ‖x\|t·u‖/$\sqrt{t}\varphi(\frac1t)$ に関して | $\overline{\lim_{t\to0}}\Vert x(t,w)\Vert/\sqrt{t}\varphi(\frac1t)$に関して |
| 47 | ↓ 10 | 任意 J>0 に対し | 任意の δ>0 に対し |
| | ↑ 11 | t→0の代りにも↓0と書く | t→0の代りにt↓0と書く |
| | ↑ 4, 3 | $4(\frac1t)4(\frac1t)$の代りに4(t), 4(t)と書き | $\varphi(\frac1t),\psi(\frac1t)$の代りに$\varphi(t),\psi(t)$と書き |
| 48 | ↓ 10 | P. Lovy $\boxed{128}$ | P. Lévy [128] |
| | ↓ 12 | [x\|t.w):0≦t<+∞ $P_a$ a∈$R^d$] | $[x(t,w);\ 0\leqq t<+\infty,\ P_a,\ a\in R^d]$ |
| | ↓ 16 | $\sum_{b=1}^{p}\Vert A(K_{k-1}t,w)-A(K_kt,w)\Vert$ | $\sum_{k=1}^{p}\Vert A(K_{k-1},t,w)-A(K_kt,w)\Vert$ |
| 49 | ↑ 8 | (3.4) $\int_{tu}^{+\infty}\psi^{d+2}(t)C^{-\frac12\psi^2(t)}dt<+\infty$ | (3.4) $\int_{t_0}^{+\infty}\psi^{d+2}(t)e^{-\frac12\psi^2(t)}dt<+\infty$ |
| 50,51 | | この頁のKで始まる人名はすべてKolmogorovに訂正 | |
| 53 | ↓ 1 | ⑤ Brocun 運動の⋯ | ⑤ Brown 運動の⋯ |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 53 | ↓ 7 | (expausion theorem) | (expansion theorem) |
| | ↓ 13 | markor | markov |
| | ↓ 15 | (absorlring larrion) | (absorbing barrier) |
| | ↑ 11 | $P_a(x\vert t,u)\in B,\ 6_{\partial D}(w)>t)$ | $P_a(x(t,w)\in B,\ \sigma_{\partial D}(w)>t)$ |
| 54 | ↓ 12 | $\boxed{1.4}$ は | (1.4) は |
| | ↑ 12 | $\cdots(1+\frac{\mu}{\rho^2})R$ | $\cdots(1-\frac{\mu}{\rho^2})R$ |
| | ↑ 10 | $(m=0,17,\cdots,\ P=1,2,\cdots)$ | $(m=0,1,2,\cdots,\ p=1,2,\cdots)$ |
| 55 | ↓ 5 | $\varphi_{\ell,mp}(x,y,z)$ | $\varphi_{\ell,m,p}(x,y,z)$ |
| | ↓ 14 | (One ided stable process) | (One sided stable process) |
| | ↑ 14 | (reflection prinsiple ....) | (reflection principle ....) |
| | ↑ 5 | $\frac{1}{\pi}\int_0^{s/t}\frac{de}{\sqrt{e(1-e)}}=\frac{2}{\pi}\arcsin\sqrt{\frac{s}{t}}$ $t \underset{,}{>} S \underset{,}{>} 0$ | $\frac{1}{\pi}\int_0^{s/t}\frac{d\ell}{\sqrt{\ell(1-\ell)}}=\frac{2}{\pi}\arcsin\sqrt{\frac{S}{t}}$ $t\geqq S\geqq 0$ |
| 56 | ↓ 5 ↑ 12 | Canchy 過程 | Cauchy 過程 |
| | ↓ 14 | exponentl/2 | exponent 1/2 |
| | ↑ 11 | $b-(0b^{(2)}\cdots b^{(d)})\in H^{n-1}$ | $b=(0,b^{(2)},\cdots,b^{(d)})\in H^{n-1}$ |
| 58 | | この頁の $P_{1(nt)}$, $P_{2(nt)}$ はすべて $T_1^{(nt)}$, $T_2^{(nt)}$ | |
| | ↓ 6 ↑ 11 | $P_0(P_{1(nt)}\in du, \vert x(t,w)\vert\in db$ $=\frac{b}{\pi\sqrt{u(t-u)^3}}e^{\frac{-b^2}{-2(t-u)}}db$ $\times\frac{1}{2\pi(t-u)}^{\frac{d-1}{2}}\cdots\cdots$ | $P_0(T_1^{(nt)}\in du, \vert x(t,w)\vert\in db)$ $=\frac{b}{\pi\sqrt{u(t-u)^3}}e^{-\frac{b^2}{2(t-u)}}db$ $\times\left(\frac{1}{2\pi(t-u)}\right)^{\frac{d-1}{2}}\cdots\cdots$ |
| 59 | ↓ 7 | $g^+(t.a.h)=g(t.-a.h)+g(t.a.h).$ $t>0\ a.h\geqq 0$ | $g^+(t,a,b)=g(t,-a,b)+g(t,a,b)$ $t>0,\ a,b\geqq 0$ |
| | ↓ 13 | randon walk | random walk |
| | ↑ 11 | 5.4 | $\boxed{5.4}$ |
| | ↑ 3 | ポランシャル論 | ポテンシャル論 |
| 60 | ↓ 13 | (cantinuous pasitive ....) | (continuous positive ....) |
| 61 | ↓ 6 | $P(\cdot)(\underline{\leq}(b_{\partial D}(w),w))=$ | $P(\cdot)=E.(\underline{\leq}(\sigma_{\partial D}(w),w))$ |
| | ↓ 16 | assoriate | associate |
| 62 | ↓ 1 | $[A_0]-[A_{12}]$ | $[A_6]-[A_{12}]$ |
| | ↓ 10 | $\leqq^-(w)=\{t'.Y.H.w)=0\}$ | $z^-(w)=\{t;Y_1(t,w)=0\}$ |
| | ↑ 2 | 0から $2^{-n}$へ$\{x(S.w);S<t\}$が | 0から $2^{-n}$ へ $\{x(S,w);S<t\}$が |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 63 | ↓ 1 | $\underline{t}^{-1}$ | $\underline{t}^{+}$ |
| | ↓ 3 | A.S.Bisicovitch と S.J.Joylor | A.S.Besicovitch と S.T.Taylor |
| | ↓ 6 | $\frac{1}{2}$-Hausdroff 測度で | $\frac{1}{2}$-Hausdorff 測度で |
| | ↓ 12 | A $P_0 \lim_{n\uparrow\infty}\sqrt{\frac{\pi}{2}}\sum_{k2^{n}\leq t}$ ……) = 1 | [A] $P_0(\lim_{n\uparrow\infty}\sqrt{\frac{\pi}{2}}\sum_{k2^{n}\leq t}$ ……) = 1 |
| | ↓ 14 | …dim (Ƶ(w)) | … dim ($\underline{Z}$(w)) |
| | ↑ 10 | A | [A] |
| | ↑ 5 | B | [B] |
| | ↑ 3 | function | functional |
| 64 | ↑ 5 | (Ergodic the orem) | (Ergodic theorem) |
| | ↑ 3 | Kariaupur-Rabbin 型 | Kariaupur-Robins 型 |
| 65 | ↓ 12 | (7.2) $\lim_{t-S\to+\infty} P_a(x(tw)\in B/\sigma_{\partial D}(w)>t)$ | (7.2) $\lim_{\substack{S\to+\infty\\ t-S\to+\infty}} P_a(x(S,w)\in B/\sigma_{\partial D}(w)>t)$ |
| 66 | ↓ 13 | 部分集合で $\lvert\underline{l}\rvert$ | 部分集合で $\lvert\underline{\ell}\rvert$ |
| 67 | ↓ 3 | によって(/)B が | によって(B)が |
| | ↓ 4 | $P_a(\sigma_B\ \ +\infty)=0$ | $P_a(\sigma_B<+\infty)=0$ |
| | ↓ 6 | $P_a(\sigma_B(+\infty)=1$ | $P_a(\sigma_B<+\infty)=1$ |
| 68 | ↓ 1 | Wienrc テスト(Wieneis test) | Wiener テスト(Wiener's test) |
| | ↓ 6 | $\Sigma_B(w)=\inf\{t; x/t,w)\in B\}$ | $\sigma_B(w)=\inf\{t; x(t,w)\in B\}$ |
| | ↓ 8 | $P.(b_B=0)$ | $P.(\sigma_B=0)$ |
| | ↑ 11 | Paineare テスト | Poincaré テスト |
| | ↑ 10 | Paineare テスト | Poincaré テスト |
| 69 | ↑ 9 | Direchlet 問題は Brelat | Dirichlet 問題は Brelot |
| | ↑ 2 | brown 運動 | Brown 運動 |
| 70 | ↓ 4 | Paisson 核 | Poisson 核 |
| | ↑ 8 | (9.4) $a=(\gamma\sin\theta\cos\varphi, \gamma\sin\theta$ $\operatorname{rin}\varphi, \gamma\cos\theta)$ | (9.4) $a=(r\sin\theta\cos\varphi, r\sin\theta$ $\sin\varphi, r\cos\theta)$ |
| | ↑ 7 | $b=(\sin\Theta\ \mathrm{ocs}\,\Phi,$ …… $)$ | $b=(\sin\Theta\cos\Phi,$ …… $)$ |
| 71 | ↓ 1 | (recurrence praperty) | (recurrence property) |
| | ↓ 2 | 半径 $Y_1, Y_2$ | 半径 $r_1, r_2$ |
| | ↓ 3 | Poincaŕd Poineaie ラスト | Poincaré テスト |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 71 | ↓(5) | (10.1) 式は $$P_a(\sigma_{\partial D_1}(w)<\sigma_{\partial D_2}(w))=\begin{cases}\dfrac{r^{-d+2}-r_2^{-d+2}}{r_1^{-d+2}-r_2^{-d+2}} & d\geqq 3\\ \dfrac{\log 1/r-\log 1/r_2}{\log 1/r_1-\log 1/r_2} & d=2\\ \dfrac{r_2-r}{r_2-r_1} & d=1\end{cases}$$ に訂正 | |
| | ↑ 4 | $\tau_P(W)=rup\cdots$ | $\tau_D(w)=sup$ |
| 72 | ↓ 6 | (conformali ty | (conformality |
| | ↓ 12 | $t\ \sigma_{\partial B}(w)$ | $t<\sigma_{\partial B}(w)$ |
| | ↓ 13 | [⋯;⋯; $P_a$, $u\subset B$] | [⋯;⋯; $P_a$, $a\in B$] |
| | ↑ 9 | これを(之次元) | これを(2次元) |
| | ↑ 7 | (→Markor連鎖、Markor過程) | (→Markov連鎖, Markov過程) |
| | ↑ 6 | Dirichlet問題の解とは | Dirichlet問題の解は |
| | ↑ 4 | 積分表　が出来る | 積分表示出来る |
| 73 | ↓ 1,3 | P. Watanabe, J. Wotanabe | T. Watanabe |
| | ↓ 14 | (fundamental sequen ce) | (fundamental sequence) |
| | ↓ 17 | $\partial b$とかき、$\cup\partial b=M$とおく。 | $\partial D$とかき, $D\cup\partial D=M$とおく。 |
| 74 | ↑ 15 | $\varkappa_A(A)=u_A(a_0)$ | $\mu_A(A)=u_A(a_0)$ |
| | ↑ 11 | $u(\partial D)=u(a_0)$ | $\mu(\partial D)=u(a_0)$ |
| | ↑ 8 | 任意の非負調和なとで | 任意の非負調和なひで |
| | ↑ 5 | $K_{\{\varphi\}}(Go,\varphi)$ | $K_{\{\eta\}}(a_0,\eta)$ |
| | ↑ 1 | $\mu$は$H((2b)_0)=0$のとき | $\mu$は$\mu((\partial D)_0)=0$のとき |
| 75 | ↓ 6 | $\boxed{5.13}$ SPa -time. Bro n 運動 | $\boxed{5.13}$ Space-time Brown運動 |
| 77 | ↓ 4 | P. Lé'vy | P. Lévy |
| | ↓ 8 | (→$\boxed{5.7}$ [$A_3$]) | (→ $\boxed{5.8}$ [$A_3$]) |
| | ↑ 9,10 | (→ $\boxed{5.8}$) | (→ $\boxed{5.10}$) |
| 78 | ↓ 1 | $d\geqq$のとき, | $d\geqq 4$のとき, |
| | ↓ 6 | $\cdots; s\leqq\tau\leqq\tau\leqq t)=0)=1$ | $\cdots; s\leqq\tau\leqq t)=0)=1$ |
| | ↑ 9 | $[h_k z^k;(h+1)z^{-k})$ | $[h2^{-k},(h+1)2^{-k})$ |
| | ↑ 4 | $P_0\{w;\bar{u}((w(\tau);0\leqq\tau\leqq t))$ | $P_a\{w;\bar{\mu}(w(\tau);0\leqq\tau\leqq t))$ |

| 頁 | 行 | 誤 | 正 |
|---|---|---|---|
| 79 | ↑ 6 | $a_1^{(1)} = r \mathrm{cas}\, \theta_1,$ | $a^{(1)} = r \cos \theta_1$ |
| 80 | ↑ 13 | (3.4) $P^{(4)}(t.\theta.4) = \frac{1}{\sqrt{2\pi t}} \sum_{n=-\infty}^{\infty} \cdots$ | (3.4) $P^{(1)}(t,\theta,\varphi) = \frac{1}{\sqrt{2\pi t}} \sum_{-\infty}^{\infty} \cdots$ |
| | ↑ 8 | を同いて確率 | を用いて確率 |
| 81 | ↓ 5 | (3.6) $[\cdots, \tilde{\theta}(t,w) ; 0 \leqq t \cdots$ | (3.6) $[\cdots, \tilde{\theta}(t,w)) ; 0 \leqq t \cdots$ |
| | ↓ 6 | $(a,r) \sqsubset S^d$ | $(\theta, r) \in S^d$ |
| 82 | ↓ 2 | $E_0 \vert e^{izS(1W)})$ | $E_0(e^{izS(1,w)})$ |
| 83 | ↓左 2 | additiue function al | additive functional |
| | ↓左13 | Bescel 過程 | Bessel 過程 |
| | ↓左16 | — ⅆ 次元の | — d 次元の |
| | ↓右 3 | Canani c al 表現 | Canonical 表現 |
| | ↓右 4 | Chan chy 過程 | Cauchy 過程 |
| | ↓右 8 | Coin tosseing game | Coin tossing game |
| | ↑右10 | — Kari an p wr | — Karianpur |
| | ↑右 6 | excessine function | excessive function |
| | ↑右 3 | excwrion | excursion |
| 84 | ↓左 3 | — Kalwogorov | — Kolmogorov |
| | ↓右15 | Kolwo gorov-Chapm an の | Kolmogorov-Chapman の |
| | ↑右 7 | Lip s chit g | Lipschitz |
| | ↑右 2 | Martur 空間 | Martin 空間 |
| 85 | ↑左11 | rand aw walk | random walk |
| | ↑左 5 | Riesy 分解 | Riesz 分解 |
| | ↓右12 | shihted path | shifted path |
| | ↑右14 | Stoehasti c are a | stochastic area |