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Index of symbols

\bar{A} closure of a set A , 2 $ A $ number of elements of a finite set A , 2 $\text{Aut}(X)$ group of topological automorphisms of a group X , 6 $A(Y, B)$ annihilator of a set B , 4 $\tilde{\alpha}$ adjoint homomorphism, 6 \aleph_0 the least infinite cardinal number, 2 b_X set of all compact elements of a group X , 1 \mathbb{C} set of complex numbers, 2 c_X connected component of the zero of a group X , 1 $\Gamma(X)$ set of Gaussian distributions on a group X , 16 $\Gamma^s(X)$ set of symmetric Gaussian distributions on a group X , 16 $\Gamma_B(X)$ set of Gaussian distributions in the sense of Bernstein on a group X , 28 Δ_h finite difference operator, 9 $\Delta_{\mathbf{a}}$ group of \mathbf{a} -adic integers, 2 Δ_p group of p -adic integers, 3 Δ_p^\times multiplicative group of all invertible elements of the ring Δ_p , 7 $\mathfrak{B}(X)$ σ -algebra of Borel sets on a group X , 10 $\dim(X)$ dimension of a connected group X , 1 E_x degenerate distribution concentrated at a point x , 10 f_n [$f_n x = nx$ for all $x \in X$], 1 $H_{\mathbf{a}}$ subgroup of \mathbb{Q} , 5 Θ class of distributions on the group $\mathbb{R} \times \mathbb{Z}(2)$, 158	$I(X)$ set of shifts of idempotent distributions on a group X , 14 $I_B(X)$ class of distributions on the group $\mathbb{R} \times \mathbb{Z}(2)$, 158 Λ class of distributions on the group $\mathbb{R} \times \mathbb{Z}(2)$, 158 $\bar{\mu}$ 10 μ^{*n} 10 $\mu * \nu$ convolution of distributions, 10 $\hat{\mu}(y)$ characteristic function of a distribution μ , 11 m_X Haar measure on a group X , 13 $M^1(X)$ semigroup of all probability distributions on a group X , 10 Ω_p field of p -adic numbers, 185 \mathcal{P} set of prime numbers, 2 $\mathbf{P} K_\iota$ $\iota \in \mathcal{I}$ direct product of compact groups, 1 $\mathbf{P}^* D_\iota$ $\iota \in \mathcal{I}$ weak direct product of discrete groups, 1 \mathbb{Q} additive group of rational numbers, 3 \mathbb{R} additive group of real numbers, 2 \mathbb{R}^{\aleph_0} space of all sequences of real numbers, 20 \mathbb{R}^{\aleph_0*} space of all finitary sequences of real numbers, 20 $r_0(D)$ torsion-free rank of a group D , 1 $\sigma(\mu)$ support of a distribution μ , 10 $\Sigma_{\mathbf{a}}$ \mathbf{a} -adic solenoid, 3 Σ_p p -adic solenoid, 3 \mathbb{T} circle group (one-dimensional torus), 2
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X^n	1	\mathbb{Z}	additive group of integers, 2
X^{n*}	1	$\mathbb{Z}(n)$	additive group of the integers modulo n , 2
$X_{(n)}$	[= $\{x \in X : nx = 0\}$], 1	$\mathbb{Z}(p^\infty)$	a quasicyclic group or a group of type p^∞ , 2
$X^{(n)}$	[= $\{nx : x \in X\}$], 1	$A + B$	[= $\{x \in X : x = a + b, a \in A, b \in B\}$], 2
X^*	character group of a group X , 3	\cong	topological isomorphism of groups, 2
(x, y)	value of a character $y \in Y$ at an element $x \in X$, 3	$\langle \cdot, \cdot \rangle$	scalar product in \mathbb{R}^n , 2
$[x]$	element of a factor-group, 2		
$x + G$	element of the factor-group X/G , 2		

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