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List of Notation

- \mathfrak{A}_γ : circular arc, 148
 \mathbb{C} : field of the complex numbers, 3
 C_0 : algebra of all continuous and piecewise linear functions on \mathbb{R} , 259
 $C_{p,w}$: closure of C_0 in $\mathcal{M}_{p,w}$, 259
 $\text{Cen } \mathcal{A}$: center of an algebra \mathcal{A} , 4
 δ : dimension function, 56
 $\tilde{\partial}_S M$: Shilov boundary of M , 69
 \mathbb{F} : a general field, 3
 F : Fourier transform, 199
 \mathcal{I}_x : local ideal generated by $x \in M_{\mathcal{B}}$, 73
 \mathbb{K} : either \mathbb{R} or \mathbb{C} , 3
 $\mathcal{K}(X)$: ideal of the compact operators on X , 45
 $\Lambda(E)$: the operators of local type on E , 95
 $\tilde{L}^\infty(\mathbb{R})$: the functions in $L^\infty(\mathbb{R})$ with essential limits at $\pm\infty$, 262
 $L^\infty(X)$: the essentially bounded measurable functions on X , 8, 193
 $L^p(X)$: Lebesgue spaces, 51
 $\mathcal{L}(X)$: Banach space of the bounded linear operators on X , 9
 $M_{\mathcal{B}}$: maximal ideal space of \mathcal{B} , 65
 $M^0(a)$: Mellin convolution operator generated by a , 203
 $\mathcal{M}_{p,w}$: multiplier algebra, 199
 PC_0 : algebra of all piecewise constant functions on \mathbb{R} with finitely many discontinuities, 259
 $PC_{p,w}$: closure of PC_0 in $\mathcal{M}_{p,w}$, 259
 \mathbb{Q} : field of the rational numbers, 3
 \mathbb{R} : field of the real numbers, 3
 \mathbb{R}^\pm : the positive/negative semi-axis, 46
 $\dot{\mathbb{R}}$: one-point compactification of \mathbb{R} by ∞ , 201
 $\overline{\mathbb{R}}$: two-point compactification of \mathbb{R} by $\pm\infty$, 199
 $r_{\mathcal{A}}(a)$: spectral radius of a in \mathcal{A} , 21
 $\sigma_{\mathcal{A}}(a)$: spectrum of a in \mathcal{A} , 19
 \mathbb{T} : unit circle in \mathbb{C} , 9
 $\text{tr}A$: trace of the matrix A , 166
 U_S : the shift of multiplication by exponential, 201
 V_t : the additive shift, 201
 $W^0(a)$: Fourier convolution operator generated by a , 199
 χ_U : characteristic function of U , 94
 χ_\pm : characteristic function of \mathbb{R}^\pm , 216
 Z_τ : the multiplicative shift, 205

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