

List of Special Symbols

$\mathbb{C}$	complex plane
$\widehat{\mathbb{C}}$	RIEMANN sphere
$\mathbb{D}$	unit disc
$\mathcal{A}_r$	annulus
$\text{Aut}(D)$	group of conformal automorphisms
$ $	EUCLIDEAN distance
$ \cdot $	norm
$\chi(,)$	chordal metric
$[,]_D$	POINCARÉ metric
$g(z, z_0, D)$	GREEN's function
$C(E)$	logarithmic capacity
$\dim_{\mathbb{H}}$	HAUSDORFF dimension
$\deg$	degree (of a rational function)
f^n	n^{th} iterate
O^+	orbit
O^-	backward orbit
α	cycle
λ	multiplier
μ^f	LYUBICH's invariant measure
$\mathcal{C}$	set of critical points
$\mathcal{C}^+$	critical limit set
$\mathcal{F}$	FATOU set
$\mathcal{J}$	JULIA set
$\mathcal{K}$	filled-in JULIA set
$\mathcal{M}$	MANDELBROT set
$E(D)$	exceptional set
Σ	symbol space
$\mathcal{H}(X)$	space of compact subsets
R_t	external ray

