

List of symbols

Symbol	Name	Page
W_p^k	Sobolev space	1
RBFS	Radial basis functions	1
RKHS	reproducing kernel Hilbert space	1
Sup	Supremum	2
min	Minimum	2
L^p	Lebesgue space	4
L_∞	Lebesgue space	4
max	Maximum	8
Vol	Volume	8
Card	Cardinality	15
\oplus	Orthogonal sum	20
Supp	Support	21
L^1	Lebesgue on the real line	23
L_2	Hilbert space	23
ess	Essential	27
meas	Measure	28
dim	Dimension	35
loc	Local	40
H^p	Hardy space	55
L^q	Dual Lebesgue space	73
const	Constant	98
B_q^α	Besov space	105
deg	Degree	120
diam	Diameter	126
det	Determinant	129
$L_{p,q}$	Lorentz spaces	150
dist	Distance	156
Lip	Lipschitz	156
int	Interior	156
Cl	Closure	163
BMOA	bounded mean oscillation on the boundary T	205
A_α^p	Weighted Bergman	205
Hol	Holomorphic	205
H^∞	Essential Hardy space	213
arg	Argument	217
VMOA	Vanishing mean oscillation on the boundary T	230
Hess(v)	Hessian of (v)	238
Ent	Entropy	239
$H^s(\mathcal{O})$	Sobolev space	263
H^1	Hardy space	178