

Index Seite 2 2025-07-29 ulgr

Dominant spectral value	177ff, 304, 318ff	
	strictly	177ff, 210, 217, 318ff
Domination	269ff, 371	
Dual	16	
	semigroup	16f
Dunford-Pettis property	56	
Eigenspace	64, 86	
Eigenvalue	64, 397	
	approximate	64, 314
	simple	73, 305, 310, 390
	normalized	390
Eigenvector	64, 397	
	approximate	64, 314
Elliptic differential operator	185, 190f, 260, 305, 318	
Equation		
	differential	4
	heat	13
	population	229, 344f, 354f, 364ff
	retarded	356ff
	transport	309f, 320
Example		
	counter	3, 61ff, 105, 131, 266ff, 311
	standard	7ff, 9, 10, 11, 18, 42ff, 100f, 184, 330
Exponential estimate	2f	
\mathcal{F}-product	20f, 298ff, 314ff	
\mathcal{F}-product with respect to a semigroup	20f, 74ff, 192	
Féjer's theorem	93f	
Feller property		
	strong	213
Fixed space	343ff, 374ff	
Flow	143ff	
	continuous	146, 192ff, 330
	semi	143ff, 332ff
	separately continuous	148f

Forcing term	112ff, 340ff	
	periodic	116
	p-periodic	113ff
Fourier transformation	12f, 91, 252	
	inverse	13, 91
	coefficient	90
Fredholm		
	domain	73f
	operator	73f
Gateaux-derivative	50, 136, 257, 283	
Generalized solution	99, 112	
Generator	3ff	
	adjoint	16
	bounded	2, 7, 54ff, 129, 247, 255, 288, 411ff
	weak*	16
Geometric multiplicity	73	
Graph	5	
Graph norm	5	
Grothendieck space	55ff	
Group	1, 6, 9, 34, 66, 146ff, 326f, 352ff	
	automorphism	146ff
	lattice homomorphism	209
	one-parameter	1, 6, 31
	positive	146, 148ff, 295, 326f
	rotation	10, 69, 352ff
	unitary	13
Growth bound	2, 6, 60ff	
	of a semigroup	2, 6, 60ff, 74, 89ff, 130, 163, 204ff, 295, 334ff, 343
	of mild solutions of a Cauchy problem	98ff
	of solutions of a Cauchy problem	98ff, 204ff, 336ff
	essential	74, 343
Half-norm	51ff, 127ff	
	canonical	51ff, 127ff, 265ff
	strict	51ff, 127ff
Heat equation	13	
Hille-Yosida theorem	32	

Ideal	236	
	algebraic	118
	closed	118, 336
	invariant	192ff, 303, 306ff, 317
	lattice	236
Imaginary additively cyclic subset	172ff, 192ff, 307	
Inhomogeneous differen- tial equation	112ff, 340ff	
Integral equation	363	
Interpolation	335, 348, 352	
Invariant	ideals	192ff, 303, 306ff, 317
	subset	24, 346
Irreducible	136ff, 256ff, 447	
	semigroup	130, 142ff, 210, 306ff, 311ff, 315ff