

- 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, 387
 - approximate - 64, 314
 - simple - 73, 305, 310, 388
 - normalized - 389
- eigenvector 64, 387
 - approximate - 64, 314
- elliptic differential operator
 - 185, 190f, 260, 305, 312
- equation
 - differential - 4
 - heat - 13
 - population - 229, 344f, 354f, 364ff
 - retarded - 356ff
 - transport - 309f, 320
- example
 - counter -
 - 3, 61ff, 105, 131, 265ff, 311
 - standard - 7ff, 9, 10, 11, 12,
 - 42ff, 100f, 124, 280, 416
- exponential estimate 2f
- F-product 20f, 298ff, 314ff
- F-product with respect to a semigroup
 - 20f, 74ff, 192
- face 388
 - invariant - 388, 410
- faithful subset 380
- Féjer's theorem 93f
- Feller property
 - strong -- 213
- fixed space 343ff, 374ff, 380ff, 414
- flow 143ff
 - continuous - 148, 192ff, 330
 - semi - 143ff, 328ff
 - seperately continuous - 149f
- forcing term 112ff, 340ff
 - periodic -- 116
 - p-periodic -- 113ff
- Fourier transformation 12f, 91, 252
 - inverse -- 13, 91
 - coefficient 80
- 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, 376ff
 - weak* - 16
- geometric multiplicity 73
- graph 5
- graph norm 5
- Grothendieck space 55ff
- group 1, 6, 9, 34, 66, 146ff,
 - 326f, 352ff, 390f
 - automorphism - 146ff
 - lattice homomorphism 202
 - 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,
 - 99ff, 130, 168, 204ff, 295,
 - 334ff, 343, 400ff
 - of mild solutions of a Cauchy problem
 - 99ff
 - of solutions of a Cauchy problem
 - 99ff, 204ff, 336ff
 - essential -- 74, 343
- half-norm 51ff, 127ff
 - canonical - 51ff, 127ff, 255ff
 - strict - 51ff, 127ff
- heat equation 13
- Hilbert space 13, 62, 94ff, 105, 403
- Hille-Yosida theorem 32
- ideal 236
 - algebraic - 118
 - closed - 118, 236
 - invariant - 182ff, 303, 306ff, 317
 - lattice - 236
- imaginary additively cyclic subset
 - 172ff, 192ff, 297
- inhomogeneous differential equation
 - 112ff, 340ff
- integral equation 363
- interpolation 335, 348, 352
- invariant
 - ideals 182ff, 303, 306ff, 317
 - subset 24, 346
- irreducible 138ff, 256ff, 414
 - semigroup 130, 182ff, 210, 306ff,
 - 311ff, 315ff, 409ff
 - W*-- 388