

tensor product - 21ff, 88f
 translation - 9f, 11, 15, 18, 41, 66ff, 205
 uniformly continuous - 2, 7, 54ff, 129, 247, 255, 288, 376ff
 uniformly ergodic - 391ff, 416, 419, 424f
 weakly continuous - 2
 weak* continuous - 16, 370ff, 403
 weak*-irreducible - 388, 414, 424f
 semigroup dual 16f, 77
 signum 137ff, 256ff, 276, 296f
 - operator 170ff, 245, 256ff, 296
 singularity
 isolated - 72ff
 Sobolev space 18ff
 classical -- 19
 solid subset 236
 solution of a Cauchy problem 4, 27ff
 generalized - 99, 112ff
 mild - 99, 112ff
 p-periodic - 113ff
 strong - 27ff, 99, 112ff, 219ff, 356ff
 spectral
 - decomposition 68ff, 325ff, 351f
 - projection 69f, 79
 - theorem 60ff, 82ff
 spectral bound 60ff, 101f, 105ff, 130, 163, 168, 204ff, 225, 292ff, 316, 334ff, 361, 379, 400ff
 essential -- 73f, 214ff, 318
 spectral inclusion theorem 84f
 spectral mapping theorem
 60ff, 67, 82ff, 106
 weak --- 65f, 83f, 89ff
 --- for the resolvent 67f
 spectral radius 60
 essential -- 73f, 177, 214ff, 318
 spectral value
 dominant -- 177ff
 strictly dominant -- 177ff, 210, 217
 spectrum 60ff
 approximate point - 64f, 394
 boundary - 169ff, 296ff, 302ff, 305, 379ff, 387
 cyclic - 169, 172ff, 302ff, 305, 379ff, 388ff
 essential - 73f
 point - 64f, 394
 residual - 64f
 stability
 98ff, 227, 337ff, 361, 402ff
 exponential - 99ff, 227
 uniform - 99f, 339, 402ff
 uniform exponential - 99f, 205, 402ff
 weak - 111f, 205f, 402ff
 weak uniform - 111f
 state space 369, 400
 stationary point 156
 stochastic continuity 213f

strictly positive
 118, 119, 120, 238, 242, 261
 -- element 261
 -- functional 238, 261
 -- operator 242
 -- subset 261ff
 subdifferential 48ff, 128ff
 subeigenvector 261
 positive - 261
 subinvariant subset 380
 sublattice 236
 sublinear function 47f

 tensor product
 -- of Banach spaces 21ff
 -- of operators 21ff
 -- of semigroups 21ff, 88f
 translation property 220, 358
 translation semigroup 9f, 15, 18, 61f, 66ff, 75, 205
 nilpotent -- 11, 41f, 83, 164f
 periodic -- 66
 transformation
 Fourier - 12f
 Laplace - 101, 107
 transport equation 309f, 320
 type of a semigroup 2

 ultrapower 315, 377, 394, 420
 unimodular function 313
 unitary 390

 vector
 - lattice 235
 - sublattice 236

 W*-algebra 369
 W*-dynamical system 414ff
 irreducible -- 414ff
 weakly sequentially compact 242, 322
 well-posedness 26ff

 Zero-Two law (0-2 law) 347ff