

**AMS FIELDS**

[AMS FIELDS] Authors: Oliver Knill: September 2003 Literature: AMS Website

## AMS CLASSIFICATION

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00-xx	General
01-xx	History and biography
03-xx	Mathematical logic and foundations
05-xx	Combinatorics
06-xx	Order, lattices, ordered algebraic structures
08-xx	General algebraic systems
11-xx	Number theory
12-xx	Field theory and polynomials
13-xx	Commutative rings and algebras
14-xx	Algebraic geometry
15-xx	Linear and multilinear algebra; matrix theory
16-xx	Associative rings and algebras
17-xx	Nonassociative rings and algebras
18-xx	Category theory; homological algebra
19-xx	K-theory
20-xx	Group theory and generalizations
22-xx	Topological groups, Lie groups
26-xx	Real functions
28-xx	Measure and integration
30-xx	Functions of a complex variable
31-xx	Potential theory
32-xx	Several complex variables and analytic spaces
33-xx	Special functions
34-xx	Ordinary differential equations
35-xx	Partial differential equations
37-xx	Dynamical systems and ergodic theory
39-xx	Difference and functional equations
40-xx	Sequences, series, summability
41-xx	Approximations and expansions
42-xx	Fourier analysis
43-xx	Abstract harmonic analysis
44-xx	Integral transforms, operational calculus
45-xx	Integral equations
46-xx	Functional analysis
47-xx	Operator theory
49-xx	Calculus of variations and optimal control; optimization
51-xx	Geometry
52-xx	Convex and discrete geometry
53-xx	Differential geometry
54-xx	General topology
55-xx	Algebraic topology
57-xx	Manifolds and cell complexes
58-xx	Global analysis, analysis on manifolds
60-xx	Probability theory and stochastic processes
70-xx	Mechanics of particles and systems
74-xx	Mechanics of deformable solids
76-xx	Fluid mechanics
78-xx	Optics, electromagnetic theory
80-xx	Classical thermodynamics, heat transfer
81-xx	Quantum theory
82-xx	Statistical mechanics, structure of matter
83-xx	Relativity and gravitational theory
85-xx	Astronomy and astrophysics
86-xx	Geophysics
90-xx	Operations research, mathematical programming
91-xx	Game theory, economics, social and behavioral sciences
92-xx	Biology and other natural sciences
93-xx	Systems theory; control
94-xx	Information and communication, circuits
97-xx	Mathematics education

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