AMS MSC classification of articles and conversion tables*

bci1†

2013-03-22 3:49:54

1 Links to the AMS MSC 2010 Classification

PDF of all MSC entries available, and the AMS MSC website

Because the AMS MSC classification list or table does not seem to be available at present when creating a new entry two links are here provided to the AMS websites that list the complete Table of AMS MSC2010 classifications:

- [All MSC 2010 in one PDF](http://www.ams.org/mathscinet/msc/pdfs/classifications2010.pdf)
- [The AMS MSC website with its maths specialized Search Engine](http://www.ams.org/mathscinet/msc/conv.html?from=2010)

### 1.1 Conversion Tables


*MSC2000 Classification Codes* → *MSC2010 Classification Codes Update.*

Date: 14 October 2009


MSC2010 Classification Codes – MSC2000 Classification Codes

### 1.2 General Classifications

**00-01 Instructional Expositions**

- 00-02 Research Expositions
- 00A05 General mathematics
- 00A35 Methodology of mathematics, didactics
- 00A66 Mathematics and visual arts, visualization

*AMS MSC Classification of Articles and Conversion Tables* created: (2013-03-2) by: bci1† version: (42328) Privacy setting: (1) (Topic) (00-02) (00-01)

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2 Several Examples of AMS MSC Classifications Utilized in PM articles

msc:00-01, msc:00-02
00A15 Bibliographies

2.1 Algebraic Logics

03G05 Boolean algebras [See also 06Exx]
03G12 quantum logic [See also 06C15, 81P10]
03G20 Lukasiewicz and Post algebras [See also 06D25, 06D30]
03G10 Lattices and related structures [See also 06Bxx]
03G30 Categorical logic, topos [See also 18B25, 18C05, 18C10]
03H10 Other applications of nonstandard models (economics, physics, etc.)
03G15 Cylindric and polyadic algebras; relation algebras
03G20 Lukasiewicz and Post algebras [See also 06D25, 06D30]
03G25 Other algebras related to logic [See also 03F45, 06D20, 06E25, 06F35]
03G27 Abstract algebraic logic
03G30 Categorical logic, topos [See also 18B25, 18C05, 18C10]

2.2 COMBINATORICS

05-XX COMBINATORICS
For finite fields, see 11Txx
05-00 General reference works (handbooks, dictionaries, bibliographies, etc.)
05-01 Instructional exposition (textbooks, tutorial papers, etc.)
05-02 Research exposition (monographs, survey articles)
05Axx Enumerative combinatorics – For enumeration in graph theory, see
05C30g, 05A05 Permutations, words, matrices
05A10 Factorials, binomial coefficients, combinatorial functions [See also
11B65, 33Cxx]
05A15 Exact enumeration problems, generating functions [See also 33Cxx, 33Dxx]
05A16 Asymptotic enumeration
05A17 Partitions of integers [See also 11P81, 11P82, 11P83]
05A18 Partitions of sets
05A19 Combinatorial identities, bijective combinatorics
05A20 Combinatorial inequalities
05A30 $q$-calculus and related topics [See also 33Dxx]
05A40 Umbral calculus
05Bxx Designs and configurations—For applications of design theory, see
94C30g
05B05 Block designs [See also 51E05, 62K10]
05B07 Triple systems
05B10 Difference sets (number-theoretic, group-theoretic, etc.) [See also 11B13]
05B15 Orthogonal arrays, Latin squares, Room squares
05B20 Matrices (incidence, Hadamard, etc.)
05B25 Finite geometries [See also 51D20, 51Exx]
05B30 Other designs, configurations [See also 51E30]
05B35 Matroids, geometric lattices [See also 52B40, 90C27]
05B40 Packing and covering [See also 11H31, 52C15, 52C17]
05B45 Tessellation and tiling problems [See also 52C20, 52C22]
05B50 Polyominoes
05B99 None of the above, but in this section
05Cxx Graph theory—For applications of graphs, see 68R10, 81Q30, 81T15,
82B20, 82C20, 90C35, 92E10, 94C15
05C05 Trees
05C07 Vertex degrees [See also 05E30]
05C10 Planar graphs; geometric and topological aspects of graph theory [See
also 57M15, 57M25]
05C12 Distance in graphs
05C15 Coloring of graphs and hypergraphs

2.3 ORDER, LATTICES, ORDERED ALGEBRAIC STRUCTURES

[See also 18B35]
06-00 General reference works (handbooks, dictionaries, bibliographies, etc.)
06-01 Instructional exposition (textbooks, tutorial papers, etc.)
06-02 Research exposition (monographs, survey articles)
06-06 Proceedings, conferences, collections, etc.
06Axx Ordered sets
06A05 Total order
06A06 Partial order, general
06A07 Combinatorics of partially ordered sets
06A11 Algebraic aspects of posets
06A12 Semilattices [See also 20M10; for topological semilattices see 22A26]
06A15 Galois correspondences, closure operators
06A75 Generalizations of ordered sets
06A99 None of the above, but in this section
06Bxx Lattices [See also 03G10]
06B05 Structure theory
06B10 Ideals, congruence relations
06B15 Representation theory
06B20 Varieties of lattices
06B23 Complete lattices, completions
06B25 Free lattices, projective lattices, word problems [See also 03D40, 08A50, 20F10]
06B30 Topological lattices, order topologies [See also 06F30, 22A26, 54D05, 54H12]
06B35 Continuous lattices and posets, applications [See also 06B30, 06D10, 06F30, 18B35, 22A26, 68Q55]
06B75 Generalizations of lattices
06B99 None of the above, but in this section
06Cxx Modular lattices, complemented lattices
06C05 Modular lattices, Desarguesian lattices
06C10 Semimodular lattices, geometric lattices
06C15 Complemented lattices, orthocomplemented lattices and posets [See also 03G12, 81P10]
06C20 Complemented modular lattices, continuous geometries
06C99 None of the above, but in this section
06Dxx Distributive lattices
06D05 Structure and representation theory
06D10 Complete distributivity
06D15 Pseudocomplemented lattices
06D20 Heyting algebras [See also 03G25]
06D22 Frames, locales For topological questions see 54XX
06D25 Post algebras [See also 03G20]
06D30 De Morgan algebras, Lukasiewicz algebras [See also 03G20]
06D35 MV–algebras
06D50 Lattices and duality
06D72 Fuzzy lattices (soft algebras) and related topics
06D75 Other generalizations of distributive lattices
06D99 None of the above, but in this section
06Exx Boolean algebras (Boolean rings) [See also 03G05]
06E05 Structure theory
06E10 Chain conditions, complete algebras
06E15 Stone spaces (Boolean spaces) and related structures
06E20 Ring–theoretic properties [See also 16E50, 16G30]

2.4 General Algebraic Systems

08-XX GENERAL ALGEBRAIC SYSTEMS
08-00 General reference works (handbooks, dictionaries, bibliographies, etc.)
08-02 Research exposition (monographs, survey articles)
08-06 Proceedings, conferences, collections, etc.
08Axx algebraic structures [See also 03C05]
08A02 Relational systems, laws of composition 08A05 Structure theory
<table>
<thead>
<tr>
<th>08A30</th>
<th>Subalgebras, congruence relations</th>
</tr>
</thead>
<tbody>
<tr>
<td>08A35</td>
<td>Automorphisms, endomorphisms</td>
</tr>
<tr>
<td>08A70</td>
<td>Applications of universal algebra in computer science</td>
</tr>
<tr>
<td>08A72</td>
<td>Fuzzy algebraic structures</td>
</tr>
<tr>
<td>08Cxx</td>
<td>Other classes of algebra</td>
</tr>
<tr>
<td>08C05</td>
<td>Categories of algebras [See also 18C05]</td>
</tr>
<tr>
<td>08C10</td>
<td>Axiomatic model classes [See also 03Cxx, in particular 03C60]</td>
</tr>
<tr>
<td>08C15</td>
<td>Quasivarieties</td>
</tr>
<tr>
<td>08C20</td>
<td>Natural dualities for classes of algebras [See also 06E15, 18A40, 22A30]</td>
</tr>
<tr>
<td>08C99</td>
<td>None of the above, but in this section</td>
</tr>
</tbody>
</table>

### 2.5 Algebraic number theory, Galois theory, cohomology and polynomials

- **11Sxx** Algebraic number theory: local and \( p \)-adic fields
  - 11S05 Polynomials
  - 11S10 Ramification and extension theory
  - 11S20 Galois theory
  - 11S23 Integral representations
  - 11S25 Galois cohomology [See also 12Gxx, 16H05]
  - 11S30 Class field theory; \( p \)-adic formal groups [See also 14L05]
  - 11S35 Langlands–Weil conjectures, nonabelian class field theory [See also 11Fxx, 22E50]
- **11Fxx, 22E50**
  - 11S40 Zeta functions and \( L \)-functions [See also 11M41, 19F27]
  - 11S45 Algebras and orders, and their zeta functions [See also 11R52, 11R54, 16Hxx, 16Kxx]
- **11Mxx**
  - 11S50 \( K \)-theory of local fields [See also 19Fxx]
  - 11S80 Other analytic theory (analogues of beta and gamma functions, \( p \)-adic integration, etc.)
- **11Txx** Finite fields and commutative rings (number-theoretic aspects)
  - 11T06 Polynomials
  - 11T22 Cyclotomy
  - 11T23 Exponential sums
  - 11T24 Other character sums and Gauss sums
  - 11T30 Structure theory
  - 11T55 Arithmetic theory of polynomial rings over finite fields
  - 11T60 Finite upper half–planes
  - 11T71 Algebraic coding theory; cryptography
  - 11T99 None of the above, but in this section
- **11Uxx** Connections with logic
2.6 POLYNOMIALS and Field Theory

12-XX FIELD THEORY AND POLYNOMIALS

12-00 General reference works (handbooks, dictionaries, bibliographies, etc.)
12-01 Instructional exposition (textbooks, tutorial papers, etc.)
12-02 Research exposition (monographs, survey articles)
12-06 Proceedings, conferences, collections, etc.
12Dxx Real and complex fields
12D05 Polynomials: factorization
12D10 Polynomials: location of zeros (algebraic theorems) - For the analytic theory, see 26C10, 30C15g
12D15 Fields related with sums of squares (formally real fields, Pythagorean fields, etc.) [See also 11Exx]
12D99 None of the above, but in this section

12E05 Polynomials (irreducibility, etc.)
12E10 Special polynomials
12E12 Equations
12E15 Skew fields, division rings [See also 11R52, 11R54, 11S45, 16Kxx]
12E20 Finite fields (field-theoretic aspects)
12E25 Hilbertian fields; Hilbert’s irreducibility theorem
12E30 Field arithmetic
12E99 None of the above, but in this section
12Fxx Field extensions
12F05 Algebraic extensions
12F10 Separable extensions, Galois theory
12F12 Inverse Galois theory
12F15 Inseparable extensions
12F20 Transcendental extensions
12F99 None of the above, but in this section
12Gxx Homological methods (field theory)
12G05 Galois cohomology [See also 14F22, 16Hxx, 16K50]
12G10 Cohomological dimension
12G99 None of the above, but in this section
12Hxx Differential and difference algebra
12H05 Differential algebra [See also 13Nxx]
12H10 Difference algebra [See also 39Axx]
12H20 Abstract differential equations [See also 34Mxx]
12H25 p-Adic differential equations [See also 11S80, 14G20]
12H99 None of the above, but in this section
2.7 COMMUTATIVE ALGEBRA

13-XX COMMUTATIVE ALGEBRA

13-00 General reference works (handbooks, dictionaries, bibliographies, etc.)
13-01 Instructional exposition (textbooks, tutorial papers, etc.)
13-02 Research exposition (monographs, survey articles)
13D05 Homological dimension
13D07 Homological functors on modules (Tor, Ext, etc.)
13D09 Derived categories
13Axx General commutative ring theory
13A02 Graded rings [See also 16W50]
13A05 Divisibility; factorizations [See also 13F15]
13A15 Ideals; multiplicative ideal theory
13A18 Valuations and their generalizations [See also 12J20]
13A30 Associated graded rings of ideals (Rees ring, form ring), analytic spread and related topics
13A35 Characteristic–methods (Frobenius endomorphism) and reduction to characteristic ; tight closure [See also 13B22]
13A50 Actions of groups on commutative rings; invariant theory [See also 14L24]
13A99 None of the above, but in this section
13Bxx Ring extensions and related topics
13B02 Extension theory
13B05 Galois theory
13B03 Historical (must also be assigned at least one classification number from Section 01)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-04</td>
<td>Explicit machine computation and programs (not the theory of computation or programming)</td>
</tr>
<tr>
<td>13-06</td>
<td>Proceedings, conferences, collections, etc.</td>
</tr>
<tr>
<td>13B21</td>
<td>Integral dependence; going up, going down</td>
</tr>
<tr>
<td>13B22</td>
<td>Integral closure of rings and ideals [See also 13A35]; integrally closed rings, related rings (Japanese, etc.)</td>
</tr>
<tr>
<td>13B25</td>
<td>Polynomials over commutative rings [See also 11C08, 11T06, 13F20, 13M10]</td>
</tr>
<tr>
<td>13B30</td>
<td>Rings of fractions and localization [See also 16S85] 13B35 Completion [See also 13J10]</td>
</tr>
<tr>
<td>13B40</td>
<td>Etale and at extensions; Henselization; Artin approximation [See also 13J15, 14B12, 14B25]</td>
</tr>
<tr>
<td>13B99</td>
<td>None of the above, but in this section</td>
</tr>
<tr>
<td>13Cxx</td>
<td>Theory of modules and ideals</td>
</tr>
<tr>
<td>13B02</td>
<td>Extension theory</td>
</tr>
<tr>
<td>13B05</td>
<td>Galois theory</td>
</tr>
<tr>
<td>13B10</td>
<td>Morphisms</td>
</tr>
</tbody>
</table>

### 2.8 ALGEBRAIC GEOMETRY

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-XX</td>
<td>ALGEBRAIC GEOMETRY</td>
</tr>
<tr>
<td>14-00</td>
<td>General reference works (handbooks, dictionaries, bibliographies, etc.)</td>
</tr>
<tr>
<td>14-01</td>
<td>Instructional exposition (textbooks, tutorial papers, etc.)</td>
</tr>
<tr>
<td>14-02</td>
<td>Research exposition (monographs, survey articles)</td>
</tr>
<tr>
<td>14-06</td>
<td>Proceedings, conferences, collections, etc.</td>
</tr>
<tr>
<td>14Axx</td>
<td>Foundations</td>
</tr>
<tr>
<td>14A05</td>
<td>Relevant commutative algebra [See also 13XX] 14A10 Varieties and morphisms</td>
</tr>
<tr>
<td>14A15</td>
<td>Schemes and morphisms</td>
</tr>
<tr>
<td>14A20</td>
<td>Generalizations (algebraic spaces, stacks)</td>
</tr>
<tr>
<td>14A22</td>
<td>Noncommutative algebraic geometry [See also 16S38] 14A25 Elementary questions</td>
</tr>
<tr>
<td>14A99</td>
<td>None of the above, but in this section</td>
</tr>
<tr>
<td>14Bxx</td>
<td>Local theory</td>
</tr>
<tr>
<td>14B05</td>
<td>Singularities [See also 14E15, 14H20, 14J17, 32Sxx, 58Kxx]</td>
</tr>
<tr>
<td>14B07</td>
<td>deformations of singularities [See also 14D15, 32S30]</td>
</tr>
<tr>
<td>14B10</td>
<td>Infinitesimal methods [See also 13D10]</td>
</tr>
<tr>
<td>14B12</td>
<td>Local deformation theory, Artin approximation, etc. [See also 13B40, 13D10]</td>
</tr>
<tr>
<td>14B15</td>
<td>Local cohomology [See also 13D45, 32C36]</td>
</tr>
<tr>
<td>14B20</td>
<td>Formal neighborhoods</td>
</tr>
<tr>
<td>14B25</td>
<td>Local structure of morphisms: etale, at, etc. [See also 13B40]</td>
</tr>
<tr>
<td>14B25</td>
<td>Local structure of morphisms: etale, at, etc. [See also 13B40], infinitesimal methods [See also 14B10, 14B12, 14D15, 32Gxx]</td>
</tr>
<tr>
<td>13D15</td>
<td>Grothendieck groups, $K$–theory [See also 14C35, 18F30, 19Axx, 19D50]</td>
</tr>
<tr>
<td>13D22</td>
<td>Homological conjectures (intersection theorems)</td>
</tr>
</tbody>
</table>
2.9 Category Theory

18Axx general theory of categories and functors
   18A05 Definitions, generalizations
   18A10 graphs, diagram schemes, precategories [See especially 20L05]
   18A15 Foundations, relations to logic and deductive systems [See also 03-XX]
   18A20 epimorphisms, monomorphisms, special classes of morphisms, null
       Morphisms
   18A22 Special properties of functors (faithful, full, etc.)
   18A23 Natural morphisms, dinatural morphisms
   18A25 functor categories, comma categories
   18A30 limits and colimits (products, sums, directed limits, pushouts, fiber
       products, equalizers, kernels, ends and coends, etc.)
   18A32 Factorization of morphisms, substructures, quotient structures, con-
       gruences, amalgams
   18A35 Categories admitting limits (complete categories), functors preserving
       limits, completions
   18A40 adjoint functors (universal constructions, reflective subcategories, Kan
       extensions, etc.)
   18A99 None of the above, but in this section

18Bxx Special categories
18B05 Category of sets, characterizations [See also 03XX]
18D05 (Category theory; homological algebra, Categories with structure:
Double categories, 2-categories, bicategories and generalizations)
18-00 (Category theory; homological algebra: General reference works (handbooks, dictionaries, bibliographies, etc.))
18E05 (Category theory; homological algebra: Abelian categories, Preadditive, additive categories)

2.10 Group Theory

20C30 Representations of finite symmetric groups
20C32 Representations of infinite symmetric groups
20F05 Generators, relations, and presentations
20F06 Cancellation theory; application of van Kampen diagrams [See also 57M05]
20F11 Groups of finite Morley rank [See also 03C45, 03C60]
20F12 Commutator calculus
20F14 Derived series, central series, and generalizations
20F16 Solvable groups, supersolvable groups [See also 20D10]

2.11 REAL FUNCTIONS

26-XX REAL FUNCTIONS [See also 54C30]
26-00 General reference works (handbooks, dictionaries, bibliographies, etc.)
26-01 Instructional exposition (textbooks, tutorial papers, etc.)
26-02 Research exposition (monographs, survey articles)
26Axx Functions of one variable
26A03 Foundations: limits and generalizations, elementary topology of the line
26A06 One–variable calculus
26A09 Elementary functions
26A12 Rate of growth of functions, orders of infinity, slowly varying functions [See also 26A48]
26A15 Continuity and related questions (modulus of continuity, semicontinuity, discontinuities, etc.) -For properties determined by Fourier coefficients, see 42A16; for those determined by approximation properties, see 41A25, 41A27g
26A16 Lipschitz (Holder) classes
26A18 Iteration [See also 37Bxx, 37Cxx, 37Exx, 39B12, 47H10, 54H25]
26A21 Classification of real functions; Baire classification of sets and functions [See also 03E15, 28A05, 54C50, 54H05]
26A24 Differentiation (functions of one variable): general theory, generalized derivatives, mean–value theorems [See also 28A15]
26A27 Non-differentiability (nondifferentiable functions, points of non-differentiability), discontinuous derivatives
26A30 Singular functions, Cantor functions, functions with other special properties
26A33 Fractional derivatives and integrals
26A36 Anti-differentiation
26A39 Denjoy and Perron integrals, other special integrals
26A42 Integrals of Riemann, Stieltjes and Lebesgue type [See also 28XX]
26A45 Functions of bounded variation, generalizations
26A46 Absolutely continuous functions
26A48 Monotonic functions, generalizations
26A51 Convexity, generalizations
26A99 None of the above, but in this section
26Bxx Functions of several variables
26B05 Continuity and differentiation questions
26B10 Implicit function theorems, Jacobians, transformations with several variables
26B12 Calculus of vector functions
26B15 Integration: length, area, volume [See also 28A75, 51M25]
26B20 Integral formulas (Stokes, Gauss, Green, etc.)
26B25 Convexity, generalizations
26B30 Absolutely continuous functions, functions of bounded variation
26B35 Special properties of functions of several variables, Holder conditions, etc.
26B40 Representation and superposition of functions
26B99 None of the above, but in this section
26Cxx Polynomials, rational functions
26C05 Polynomials: analytic properties, etc. [See also 12Dxx, 12Exx]
26C10 Polynomials: location of zeros [See also 12D10, 30C15, 65H05]
26C15 Rational functions [See also 14Pxx]
26C99 None of the above, but in this section
26Dxx Inequalities -For maximal function inequalities, see 42B25; for functional inequalities, see 39B72; for probabilistic inequalities, see 60E15g
26D05 Inequalities for trigonometric functions and polynomials
26D07 Inequalities involving other types of functions
26D10 Inequalities involving derivatives and differential and integral operators
26D15 Inequalities for sums, series and integrals
26D20 Other analytical inequalities
26D99 None of the above, but in this section
26Exx Miscellaneous topics [See also 58Cxx]
26E05 Real–analytic functions [See also 32B05, 32C05]
26E10 C1–functions, quasi–analytic functions [See also 58C25]
26E15 Calculus of functions on infinite–dimensional spaces [See also 46G05, 58Cxx]
26E20 Calculus of functions taking values in infinite–dimensional spaces [See also 46E40, 46G10, 58Cxx]
26E25 Set-valued functions [See also 28B20, 49J53, 54C60] –For nonsmooth analysis, see 49J52, 58Cxx, 90Cxx
26E30 Non–Archimedean analysis [See also 12J25]
2.12 MEASURE AND INTEGRATION

28-XX MEASURE AND INTEGRATION
For analysis on manifolds, see 58-XXg
28-00 General reference works (handbooks, dictionaries, bibliographies, etc.)
28-01 Instructional exposition (textbooks, tutorial papers, etc.)
28-02 Research exposition (monographs, survey articles)
28-06 Proceedings, conferences, collections, etc.
28Axx Classical measure theory
28A05 Classes of sets (Borel fields, B-rings, etc.), measurable sets, Suslin sets, analytic sets [See also 03E15, 26A21, 54H05]
28A10 Real- or complex-valued set functions
28A12 Contents, measures, outer measures, capacities
28A15 Abstract differentiation theory, differentiation of set functions [See also 26A24]
28A20 Measurable and nonmeasurable functions, sequences of measurable functions, modes of convergence
28A25 Integration with respect to measures and other set functions
28A33 Spaces of measures, convergence of measures [See also 46E27, 60Bxx]
28A35 Measures and integrals in product spaces
28A50 Integration and disintegration of measures
28A51 Lifting theory [See also 46G15]
28A60 Measures on Boolean rings, measure algebras [See also 54H10]
28A75 Length, area, volume, other geometric measure theory [See also 26B15, 49Q15]
28A78 Hausdorff and packing measures
28A80 Fractals [See also 37Fxx]

2.13 FUNCTIONS OF A COMPLEX VARIABLE

30-XX FUNCTIONS OF A COMPLEX VARIABLE
For analysis on manifolds, see 58-XXg
30-00 General reference works (handbooks, dictionaries, bibliographies, etc.)
30-01 Instructional exposition (textbooks, tutorial papers, etc.)
30-02 Research exposition (monographs, survey articles)
30-06 Proceedings, conferences, collections, etc.
30Axx General properties
30A05 Monogenic properties of complex functions (including polygenic and areolar monogenic functions)
30A10 Inequalities in the complex domain
30A99 None of the above, but in this section
30Bxx Series expansions
30B10 Power series (including lacunary series)
30B20 Random power series
30B30 Boundary behavior of power series, over-convergence
30B40 Analytic continuation
30B50 Dirichlet series and other series expansions, exponential series [See also 11M41, 42XX]
30B60 Completeness problems, closure of a system of functions
30B70 Continued fractions [See also 11A55, 40A15]
30B99 None of the above, but in this section
30Cxx Geometric function theory
30C10 Polynomials
30C15 Zeros of polynomials, rational functions, and other analytic functions (e.g. zeros of functions with bounded Dirichlet integral) For algebraic theory, see 12D10; for real methods, see 26C10
30C20 Conformal mappings of special domains
30C25 Covering theorems in conformal mapping theory
30C30 Numerical methods in conformal mapping theory [See also 65E05]
30C35 General theory of conformal mappings
30C40 Kernel functions and applications
30C45 Special classes of univalent and multivalent functions (starlike, convex, bounded rotation, etc.)
30C50 Coefficient problems for univalent and multivalent functions
30C55 General theory of univalent and multivalent functions
30C60 Quasiconformal mappings in the plane
30C65 Quasiconformal mappings in $R^n$, other generalizations
30C70 Extremal problems for conformal and quasiconformal mappings, variational methods
30C75 Extremal problems for conformal and quasiconformal mappings, other methods
30C80 Maximum principle; Schwarz’s lemma, Lindel method of principle, analogues and generalizations; subordination
30C85 Capacity and harmonic measure in the complex plane [See also 31A15]
30C99 None of the above, but in this section
30Dxx Entire and meromorphic functions, and related topics
30D05 Functional equations in the complex domain, iteration and composition of analytic functions [See also 39Mxx, 47Fxx, 39XX]
30D10 Representations of entire functions by series and integrals
30D15 Special classes of entire functions and growth estimates
30D20 Entire functions, general theory
30D30 Meromorphic functions, general theory
30D35 Distribution of values, Nevanlinna theory

13
30D40 Cluster sets, prime ends, boundary behavior
30D45 Bloch functions, normal functions, normal families
30D60 Quasi-analytic and other classes of functions
30D99 None of the above, but in this section
30Exx Miscellaneous topics of analysis in the complex domain
30E05 Moment problems, interpolation problems
30E10 Approximation in the complex domain
30E15 Asymptotic representations in the complex domain
30E20 Integration, integrals of Cauchy type, integral representations of analytic functions [See also 45Exx]
30E25 Boundary value problems [See also 45Exx]
30E99 None of the above, but in this section
30Fxx Riemann surfaces
30F10 Compact Riemann surfaces and uniformization [See also 14H15, 32G15]
30F15 Harmonic functions on Riemann surfaces
30F20 Classification theory of Riemann surfaces
30F25 Ideal boundary theory
30F30 Differentials on Riemann surfaces
30F35 Fuchsian groups and automorphic functions [See also 11Fxx, 20H10, 22E40, 32Gxx, 32Nxx]
30F40 Kleinian groups [See also 20H10]
30F45 Conformal metrics (hyperbolic, Poincaré, distance functions)
30F50 Klein surfaces
30F60 Teichmüller theory [See also 32G15]
30F99 None of the above, but in this section
30Gxx Generalized function theory
30G06 Non-Archimedean function theory [See also 12J25]; nonstandard function theory [See also 03H05]
30G12 Finely holomorphic functions and topological function theory
30G20 Generalizations of Bers or Vekua type (pseudoanalytic, $p$-analytic, etc.)
30G25 Discrete analytic functions
30G30 Other generalizations of analytic functions (including abstract-valued functions)
30G35 Functions of hypercomplex variables and generalized variables
30G99 None of the above, but in this section
30Hxx Spaces and algebras of analytic functions
30H05 Bounded analytic functions
30H10 Hardy spaces
30H15 Nevanlinna class and Smirnov class
30H20 Bergman spaces, Fock spaces
30H25 Besov spaces and $Q_p$-spaces
30H30 Bloch spaces
30H35 BMO–spaces
30H50 Algebras of analytic functions
30H80 Corona theorems
30H99 None of the above, but in this section
30Jxx Function theory on the disc
30J05 Inner functions
30J10 Blaschke products
30J15 Singular inner functions
30J99 None of the above, but in this section
30Kxx Universal holomorphic functions
30K05 Universal Taylor series
30K10 Universal Dirichlet series
30K15 Bounded universal functions
30K20 Compositional universality
30K99 None of the above, but in this section
30Lxx Analysis on metric spaces
30L05 Geometric embeddings of metric spaces
30L10 Quasiconformal mappings in metric spaces
35Q40 Partial differential equations
81Q05 Quantum theory: General mathematical topics and methods in quantum theory