Outline of Mathematics

- * This is an inverted schedule. Compound classes are generally formed by citing first the component which comes latest in the schedule; e.g. Cohomology (AMK) of finite groups (ASD) goes at ASD AK under groups, not cohomology.
- * Most of the literature falls within the Branches of mathematics (AR/AW) and very little within the general concepts of operations, properties, etc. (AM/AQ). So the main role of the 'preliminary' facets in AM/AQ is to act as qualifying terms in the Branches (e.g. Number theory -Integers - Congruences) or as specifiers, defining types of any given thing (e.g. Number theory - Additive number theory).
- * Terms from almost any facet may act as specifiers (e.g. classical, from Methods facet; additive, from Operations facet; homologous, from Relations facet; finite, from Properties facet). Moreover, they may specify not only types of a Branch (or one of its parts) but also concepts from other facets (e.g. a property defining a relation, as in linear representations).
- * Provision is made for all these eventualities; the notation needed for this is displayed clearly in Auxiliary Schedule AM1 (following the main Schedule).
- * Sometimes, the application of Auxiliary Schedule AM1 is interrupted in order to give a prominent class a shorter classmark. All such occasions are indicated in this outline; but for details of what synthetic classmark is replaced & how the normal synthesis is picked up later, see the full schedules.

Mathematics
. Common subdivisions
Study History Biography
Relations with other subjects
Philosophy of mathematics
. Agents
Machines Computers
. Forms of mathematical presentation
Theory Axioms Formulae
Models
. Methodologies in mathematics
Philosophical methodologies
Foundations of mathematics, Metamathematics
Logicism Formalism
Constructivism & intuitionism
Mathematical logic
Deductive logic
Special properties
Effectiveness Truth functions
Special operations
Formalization Axiomatics
Problem solving Algorithms
Decision procedures
Recursion
Formal structures
Logical calculi
Propositions Statements

		Methodologies in mathematics
		. Philosophical methodologies
		Mathematical logic AM4 Deductive logic AM4 A
		Formal structures AM4 J
		Propositions Statements AM4 K
AM4	MS	Formal systems
	N	Propositional calculus
	0	Predicate calculus
	Р	Proofs, proof theory
	0	Models, model theory
	Ť	Inductive logic
AM5	-	Set theory
		* For sets as mathematical structures, see ARB.
		<i>Types</i>
	Х	Axiomatic set theory
		. Methods in mathematics
AM6	2	Elementary Classical Descriptive
	7	Heuristic. Algorithmic. Iterative
	,	Ry relation property etc
	н	Non-standard Finite
	11	Ry branch used
	D	Combinatorial Algebraic
	N W	Analytic
	v	Calculus Differential calculus
	л	Operations
A N 47	5	Testing Synthesis Solution
ANI	5	Classification
	C II	Causantation Addition Easteringtion
	Н	. Computation Addition Factorization
	Q	Extraction of roots
	R	Differentiation Integration
	Х	. Ramification Extension
		Processes
AM8	6	. Approximation Continuation
	8	. Variation Distribution
	В	. Convergence Interpolation
	GE	. Perturbation
	Н	. Optimization
		Relations
	J	. Relation in general
	Κ	. Mappings (broadly)
	L	. Functions
	N9	Polynomial functions, Polynomials
	NDX	Exponential functions Potential
	Х	Functionals Determinants
AM9	3	. Forms
		. Arising from operations on structures
	5	Transformations Derivation
	Е	Extensions Conjugates
		. Status relations & relations of magnitude
	HE	Correspondence Congruence
	J	Equivalence
	L	Equations
	ME	Differential Integral

 * Normal synthesis interrupted; resumes at AM9 MJW.

AM9MJW

AQUY

Mathematics

Mathematics ¹	AM Relations	Mathematics	AN Pro
	. Status relations & relations of magnitude		
	Equations AM9 L Differential Integral AM9 ME		·
		ANT N	
AM9 MJW	Other types of equations	ANX F	•
MN9	Polynomial equations		•
MNA		Т	
Ν	. Inequalities Inverse Proportion	AO2 N	
_	. Relations of structure, composition	AO5	
R	Generalizations Representations		
	. Spatial relations, location	AO7	
Т	Packing & covering Incidence		
WM	Immersions Embedding	AOB	
	. Functional relations, association	AOG	
AMB	Homomorphisms Automorphisms		
AMG	Holomorphisms Holonomy	AOI	
AMJ	Homology Homotopy	AOP	
	Properties		
AMN	. Derived from earlier facets	AOQ R	
	* When property per se is signified.		
	* DO NOT use as specifiers - take latter direct from	AOT	
	originating facet (e.g. Classical from Methods,	AP2	
20	Aviamatia Constructive		•
3D	Constructed bility Divisibility		•
7D	Constructability Divisibility	AP5 L	
	. General special	AP6 N	
AMO	. Abstract Normai Simple Complex	AP8	
AMY	Kational Keal		Pa
	. By sign	АРА	
AN4 J	. Positive, Non-positive, Negative		•
	. By value	APC	•
Q	. Absolute value Conditional	ni e	•
	. By dimension	APG	•
AN5	. Measure One-dimensional, singular	APP	•
AN8 H	. Higher-dimensional, n-dimensional	APO	·
	. By number of terms		•
V	Monomial, Binomial	AIU	·
AN9	Polynomial		·
	. By degree of terms	AFA 9D	•
ANA	Linear, first order Non-linear	ADV	•
ANC	Quadratic Higher order	AP I	•
	. By number of variables	AQO	·
AND K	One variable, Binary	AOD	•
	. By degree of variables	AQB	·
Р	Bilinear Multilinear	AQD Y	·
	. By nature of variables		•
Т	Mixed Complex Real variables	1.05	•
	. By range of applicability	AQE	·
ANF	Local P-adic Universal		•
	. By level of finiteness	AQJ K	٠
ANJ	Finite	AQM	•
	Infinite Infinitesimal	AQO	•
ANK	Compositional sto		•
ANK	. Compositional, etc		
ANK ANL N	. Strong Closed Smooth Regular	AQS	•
ANK ANL N ANO G	 . Compositional, etc . Strong Closed Smooth Regular . Homogeneous 	AQS AQU	•

Mathematics	AM Decementing
	Compositional etc
	. Symmetric Ordered Compact Free ANO J
ANT N	Complete Perfect Continuous Dual
ANX F	Periodic
	. By performance
Т	Oualitative Optimal Maximal Fuzzy
AO2 N	Covariant Solvable Summable
AQ5	. Nilpotent Idempotent
	By fundamental laws
AO7	Associative Commutative
107	Spatial properties
AOB	Proximity Inner Convex Biaxial
AOG	Asymptotic
100	Properties of space
AOI	Euclidean Affine Conformal
AOP	Symplectic
101	. Properties of motion
AOO R	. Rate Dynamic Kinematic
	. Derived from geometric figures
АОТ	Plane Orthogonal Parabolic
AP2	By named mathematician
	. Properties derived from later facets
	* Note preceding AMN 3D above applies here also.
AP5 L	Difference Residual Scalar
AP6 N	Spectral Sequential
AP8	. Properties by other characteristics
	Parts of mathematical structures or systems
APA	. Elements, components
	Involved in mapping, function, operation
APC	Domain, Range Boundary
	Resulting from mapping, function, operation
APG	Solutions Limits Classes Products
APP	Quotients
APQ	Residues Factors Primes
APU	Derivatives Integrals
	Resulting from other operations, processes etc
APX 9D	Derivations Endomorphisms
	Reflecting structure
APY	Structures Extrema Conditions
AQ6	Chain conditions
	Reflecting space
AQB	Points Singular points, singularities
AQD Y	Projectives
	. Entities
	By dimension
AQE	Scalars Eigenvalues Vectors
	. By form
AQJ K	Character Polynomials Continua
AQM	Spectra
AQO	Sequences & series
105	<i>Dy performance</i>
AQS	Invariants variables
AQU	. Operators, linear operators
Ŷ	Identities runctors

Mathematics		Mathematics	
	Parts of mathematical structures or systems		Designs & configurations ARF
	. Operators AQU		
	Identities Functors AQU Y	ARG	Graphs & maps, graph theory
1.011		ARI	ARITHMETIC
AQW	. Bases Moduli		. Special parts
	. Subsystems	GC	Numbers Numeration systems: binary decimal
	* Occur only as subclasses of something else. Introduced		Types
	by -F in Auxiliary Schedule AM1 & divided like	OX	Modular arithmetic
	AR/AW	ARI	NUMBER THEORY
	. Parts special to a context	1105	Subsystems
	hy G in Auvilian Schedula AM1 (a g at API GC)	v	Geometry of numbers
	by -O in Auxiliary Schedule Aivir (e.g. at AKI OC).	A	* Normal synthesis interrupted: resumes at ARLY
		v	Other subsystems
	Branches of mathematics, 'disciplines', systems		Number sustance
	* All branches & systems (and their parts) are divided in	AKK B	* Normal synthesis interrunted: resumes at APK V
	exactly the same way to give a consistent and predictable	E	Integers Prime numbers
	pattern. This is done by 'retroactive synthesis' ('bringing	Г	Transas dantal accession
	down' all preceding facets) using the notation provided in	0	I ranscendental numbers
	Auxiliary Schedule AM1.	Q	Complex numbers, Number fields
	* The arrangement under any system is as follows:	Y	. Types
	 . (Forms of mathematical presentation) * (Methodologies) 	YI	By method
	* (Operations)		* Normal synthesis interrupted; resumes at ARO Y.
	* (Processes)	ARL 2	Elementary number theory
	* (Relations)	JJ	Additive number theory
	* . (Properties)	N2	Diophantine methods
	* . (Elements & Entities)	ARM	Algebraic number theory
	* . (Subsystems)		* Normal synthesis interrupted; resumes at ARN Y.
	* . (Parts or subsystems special to the context)		Subsystems
	* . (Types)	ARN	Fields in algebraic number theory
	* (Specified by previous facets, AM/AQ)		 * Normal synthesis is interrupted; resumes at
	* (Specified by branches or systems, AR/AW)		ARN X.
	* (Special to the class divided)	X	Other subsystems & systems
	 Many subalasses obtained by synthesis are shown below. 	Y	Types of number theory by other methods
	heginning at APL 12 where APL is divided like AM6	ARO	Analytic number theory
	(Methods) Normal synthesis using the uninterunted		* Normal synthesis is interrupted; the array (Types
	sequence of 2/9. A/W in Auxiliary Schedule AM1 is		by systems) is concluded at ARO Y.
	sometimes interrupted in order to get shorter classmarks	X	Probabilistic number theory
	for much-divided classes. All such occasions are noted	Y	Other types of number theory
	below for the convenience of the indexer, with a note as to	ARQ B	ORDERED STRUCTURES
	where normal synthesis is resumed.	D	. Ordered spaces Semilattices
	* Note that the exact order of subclasses given by normal	ARR	. Lattices
	synthesis, as well as its full potential for detailed	Х	. Partially ordered systems
	subdivision is ALWAYS MAINTAINED.	ARS	ALGEBRA
	* A good example of this arrangement occurs under AW		* Regarded primarily as a method.
	Analysis below.		. Types by method
ARA	. Mathematical structures (general)	ART	Elementary algebra
ARB	. SETS		* Normal synthesis interrupted; resumes at ART Y.
	Subsystems	Y	. By other methods
Х	Boolean algebra	ARU	Homological algebra
	* Normal synthesis interupted; resumes at ARC A.		* Normal synthesis interrupted; resumes at ARW J.
ARC A	Other subsystems	ARV K	Cohomology, K-theory
	Types	L	Homotopy
Х	Subsets		. By other methods
ARD	. COMBINATORICS	ARW I	. Differential algebra Difference algebra
	Special structures	2 11 17 3	· · Differential algoritan, Difference algorita
ARE C	Combinations & permutations		
ARF	Designs & configurations		

ALGEBRAIC SYSTEMS & STRUCTURES

Mathematics	AM ALGEBRA ARS	
	Differential algebra ARW J	
ARX	ALGEBRAIC SYSTEMS & STRUCTURES	
ARY	. Semigroups	
ASA	. Groups	
	Subsystems	
ASB	Subgroups	
	* Normal synthesis interrupted; resumes at ASC.	
ASC	Types	
ASD	 . Finite groups * Normal synthesis interrupted; resumes at ASE. 	
ASE	Other types	
ASF	Commutative groups, Abelian groups Normal synthesis interrupted: resumes at ASG	
ASG	Other types	
ASH	Topological groups	
A CI	* Normal synthesis interrupted; resumes at ASI	
ASI	Other types	
Ŷ	Pseudogroups	
	Types	
ASJ	 Lie groups, continuous pseudogroups * Normal synthesis interrupted; resumes at ASK Y. 	
	<i>Types</i>	
ASK	Lie transformation groups * Normal synthesis interrupted; resumes at ASK X.	
Х	Other types of Lie groups	
Y	Other types of pseudogroups	
ASL G	Groupoids Quasi-groups Loops	
ASM	. Rings	
	Types	
ASN	Associative rings	
	* Normal synthesis interrupted; resumes at ASR.	
ASO	Non-associative rings	
ASP	Commutative rings	
ASQ	Non-commutative rings	
ASR	Other types	
ASS	Ideals Modules Orders	
ASU S	. Semi-fields	
ASV	. Fields	
	Special types	
ASW	Skew fields	
ASX	. Categories Vector spaces	
ATA	. Algebras, linear algebras	
	Types	
MV	Semi-simple algebras	
NI	Universal algebras	
07	Associative algebras	
ATB	Matrix algebras, matrices	
ATC	Lie algebras Jordan algebras	

Mathematics	AM
	ALGEBRAIC SYSTEMS & STRUCTURES ARX
	Lie algebras Jordan algebras ATC
ATG	. Algebraic geometry
	* Alternative (not recommended) is at AUI TG.
	Types
	By algebraic structure
Y	Algebraic semi-groups
	* Normal synthesis interrupted; resumes at ATL
ATH	Algebraic groups
ATI	Other algebraic structures
	By geometric structure
	Algebraic curves
VS	Algebraic surfaces
	Emilies Ethertical
AIKEN	Fammes, Fibrations
ATL	Varieties, algebraic varieties
	Types
ATM	Abelian varieties & schemes
	* Normal synthesis interrupted; resumes at
	ATN.
ATN	Other types
ATO B	Subvarieties Intersections
ATP	Cycles & subschemes
ATQ	Ground fields Injectives
ATS	GEOMETRY
G	. Special subsystems
	 * Normal synthesis interrupted; Types of geometry
	begin at AUH Y, application of Auxiliary Schedule
	AM1 resumes at AUL.
ATT	Geometric structures & figures, geometric objects
	By dimension
ATU E	Points Lines Curves
ATV B	Planes Polygons Conic sections
S	Surfaces
ATW B	Solids, bodies Polyhedra
ATX	Four-dimensional, n-dimensional structures
ATY C	Complexes Polytopes
v	Neighbourhoods
AUA	Spaces
AUB F	Subspaces
Н	By other characteristics
NLH	Infinitesimal structures
OCT	Concave structures
AUC	Convex structures
nee	* Normal synthesis interrupted: resumes at
	AUD OE.
AUD OE	By other characteristics
AUE G	G-structures
	Associations of structures
I	Configurations Families
P	Bundles Sheaves
AUEB	Fibres Nets & webs
	Knots & links
AUC	KIIOIS & IIIKS Manifalda Submanifalda
AUG	
AUH S	Turner of a constant
	. Types of geometry

Mathematics	AM	Mathematics	AM
GEON	METRY ATS		GEOMETRY ATS
	Types of geometry		Differential projective geometry AUX JR
AUH Y	Geometries		
	By method	AUY	By other relations, etc
ALL 2	Flementary geometry	NA	Linear geometry
AUI 2	Classical Evolidean geometry		Types
4	D Classical, Euclidean geometry	AVA	Linear incidence geometry
6	. Descriptive geometry		* Normal synthesis interrupted; resumes at
TG	Algebraic geometry		AVA X.
	* Alternative (not recommended) to ATG.	Х	Other types
AUJ	Analytic geometry	AVB	By other properties
	* Normal synthesis interrupted; resumes at AUL.	NI	Finite geometry
AUL	. By other methods, operations		Non Euglidean geometry
AUM	Differential geometry	0J	Affine reconctant
	* Normal synthesis interrupted; resumes at AUW.	AVC	Alline geometry
	Subsystems		* Normal synthesis interrupted; resumes at AVD.
AUN	Spaces	AVD	. By other properties, etc
	* Normal synthesis interrupted; resumes at	ON	Metric geometry, Symplectic geometry
	AUO.	OS	Kinematic geometry
OI	Euclidean spaces, Non-Euclidean spaces		By angles
OM	Conformal spaces Symplectic spaces	AVE	Trigonometry
AUO	Other subsystems		* Normal synthesis interrupted; resumes at
G	Manifolda		AVE Y.
U	Mainfolds	Y	Geometries by other systems
		AVJ	TOPOLOGY
AUP	Differentiable manifolds		Subsystems
	* Normal synthesis interrupted; resumes at	AVK	Spaces topology of spaces
	AUI.		* Normal synthesis interrunted: resumes at AVO
	Subsystems		Types
FUA	Spaces, Manifolds by underlying		Types
	spaces	ON	Metric spaces topological spaces
	$\ldots \ldots \ldots By$ method	AVL	Analytic spaces
AUQ			* Normal synthesis interrupted; resumes at
	 * Normal synthesis interrupted; 		AVN WX.
	resumes at AUR I5 and AUS.		Types of analytic spaces
OQB	Riemannians spaces	AVM	Complex spaces
AUR I5	By other methods, operators, etc		* Normal synthesis interrupted; resumes at
NOG	Homogeneous spaces		AVN.
AUS	Other subsystems	AVN	Types by other characteristics
FG	G-structures Fibre spaces		Other types of spaces in topology
v	Types of differentiable manifolds	WX	Probabilistic spaces
		AVO	. Other topological subsystems
AUI	Manifolas by other operations, etc	ES	Sheaves
AUU	with complex structures	G	Manifolds
	* Normal synthesis interrupted; resumes at	AVP	. Types, Topologies
	AUU X.	AVO	Algebraic topology analysis situ
Х	Manifolds by other characteristics	AvQ	* Normal synthesis interrunted: resumes at AVI
Y	Other subsystems in differential geometry		Subsystems
AUV	Types of differential geometry	AVD	Croups in algebraic topology
NF	Local differential geometry	AVK	* Normal supplicit interrupted: resumes at
NI	Global		AVP V
AUW	. Geometries by other operations, etc	V	AVK 1. Other subsystems
AUX	Projective geometries	I	Other subsystems
-	* Normal synthesis interrupted: resumes at AUY.	YSX	Categories
IR	Differential projective geometry	AVS	Spaces
311	· · · Enterential projective geometry		* Normal synthesis interrupted; resumes at AVT
		AVT	Other subsystems
		UFC	Fibre spaces, Fibre bundles
		Х	Types of algebraic topology
		1	
		1	

AVU AWXD8L

ANALYSIS

Mathematics AM		Mathematics
	TOPOLOGY AVJ	
	. Types, Topologies AVP Types of algebraic topology AVT X	
	, , , , , , , , , , , , , , , , , , ,	
AVU	. Other types of topologies	AWK 6Y
YJR	Differential topology	AWL
	Subsystems	EO
AVV	Manifolds	EP
	 Normal synthesis interrupted; resumes at 	EQ
	AVW.	EQP 2
AVW	Other subsystems	ER
Х	Types of differential topology	EU
AVX	. Other types of topologies	AWM
N6	Low-dimension topology	
AW	ANALYSIS	
	. Methods	
AW6 X	Calculus Calculus of variations	MP
AW7 2	Differential calculus Integral calculus	N7
	Operations	x
R	Differentiation Integration	X V
K	Relations	AWN
A 3370 T	Eunotions	AWN V
AWOL		I
	Types	AWO
LIW	Analytic functions	
LIW U	Systems of functions Quasi-analytic	
	functions	ET A
LJS	Differentiable functions	FIA
N3	Real functions	FUA
AW9	Functions of a complex variable	
	 * Normal synthesis interrupted; resumes at 	FUA
	AWD.	
AWA G	Other types	AWP
XG	Almost periodic functions	
AWB	Harmonic functions, potential functions	
	 * Normal synthesis interrupted; resumes at 	Y
	AWD.	AWQ A
AWD	Other types of functions	В
XE	Special functions	Н
XFB	Beta functions Gamma functions	AWR
XX	Functionals, Determinants	
AWE	. Other relations in analysis	
4	Transforms	Х
L	Equations	Y
	Types	YN5
ME	Differential equations	AWS
AWF	Ordinary differential equations	
	* Normal synthesis interrupted: resumes at	
	AWI (for equations) & AWJ (for	MO
	relations).	Y
AWG	Partial differential equations	AWT
AWH	Integral equations	
AWI	Other types of equations	
PI	Difference equations	Y
AWI	Other relations properties ato	AWX
а W J ОМ	Inequalities	
9IN	incquantics	
AWK	. Opumality, optimization	
	[^] Normal synthesis interrupted; resumes at AWL.	D8L
		1

Mathematics AM	
Wathematics 121	ANALYSIS AW
	. Other relations, properties, etc AWJ Optimality AWK
AWK 6Y	Control theory, optimal control
AWL	. Other properties, elements, etc. in analysis
EO	Sequences & series
EP	Sequences, progressions
EQ	Series
EQP 2	Fourier series, Power series
ER	Approximations, expansions
EU	Operators
AWM	Linear operators
	* Normal synthesis interrupted; resumes at AWM X.
	<i>Types</i>
MP	Concrete operators
N7	Single linear operator
Х	Other types of operators
Y	. Other entities in analysis
AWN	. Subsytems in analysis
Y	. Types of analysis
AWO	Functional analysis
	* Normal synthesis interrupted; resumes AWR Y.
	Subsystems
FTA	Algebras, Banach algebras
FUA	Spaces
	<i>Types</i>
FUA VJ	Topological spaces
	$\ldots \ldots Types$
AWP	Topological linear spaces
	* Normal synthesis interrupted; resumes at AWP Y.
Y	Other types of topological spaces
AWQ A	Other types of spaces
В	Other subsystems in functional analysis
Н	Types of functional analysis
AWR	Non-linear functional analysis
	* Normal synthesis interrupted; resumes at AWR X.
X	Other types of functional analysis
Y VD15	. Other types of analysis
YNS	Measure theory
AWS	* Normal synthesis interrupted: resumes at
	AWS Y.
MO	Abstract harmonic analysis
Y	. Other types of analysis
AWT	Fourier analysis
	* Normal synthesis interrupted; resumes at AWT Y
Y	. Other types of analysis
AWX	PROBABILITY
	* Most of the literature is on statistical probability; see AX.
	. Special properties
D8L	Dependence Evidence Chance

Mathematics AM

. . . . Dependence... Evidence... Chance... AWX D8L

AWY APPLIED MATHEMATICS

- * Alternative (not recommended) to subordinating to the subject to which applied.
- * Add to AWY numbers 4/9 & letters A/Z from the whole classification; e.g. AWY B Mathematics of physics.

APPLIED MATHEMATICS AWY

Outline of Statistics and Probability * This is an inverted schedule. Compound classes are formed by citing first the component which comes latest in the schedule. For example, significance tests in general are at AXF and variance in general is at AXT; so significance tests of variance goes under variance (at AXT F) & not under significance tests.

STATISTICS & PROBABILITY AX . Common subdivisions AX2 . . History 7 . Agents Μ . . Data processing & computers . Forms of mathematical presentation AX3 4 This position is used only when qualifying AX5/AX6 Descriptive statistics. 5 . . Errors . . Theory, General theory of statistics & probability А . DESCRIPTIVE STATISTICS AX5 7 . . Collection of data . . . Survey design 77 . . Presentation of data 8 . . Descriptive measures 9 AX6 . . . Frequency distributions Population characteristics & parameters 7 Central tendency, averages 9 Variability... Dispersion... J. Deviation... Range... L . MATHEMATICAL STATISTICS AX7 Divided like Mathematics, using Auxiliary Schedule AM1. 34 . . Forms of mathematical presentation . . Methodologies & methods 3M 4P. . Operations & Processes . . Relations 8J . . Properties AN . . Elements & Entities DA . . Subsystems F . . Systems, branches of mathematics R RS . . . Algebra TS . . . Geometry VJ Topology Analysis & calculus w . . . WX . . . Probability * See AXG . . Bayesian statistics Х . . STATISTICAL METHOD AX8 . . . Operations Analysis (general) D * For design & analysis of experiments, see AXQ R. S Measurement Validity & reliability ST UC Scaling, scales

STATISTICS & PROBABILITY

STATISTICS	S & PROBABILITY AX
	MATHEMATICAL STATISTICS AX7
	Measurement AX8 S
	Scaling AX8 UC
AX9 D	Operations special to a context
, 5	* For example, AXR 9L Weighting (in Design of
	experiments).
AXA	Properties
В	Errors Dependence & independence
Q	Bias Risk
AXB B	Expectation
D	Degrees of freedom
G	Properties special to a context
	* For example, AXI BL Homogeneity (in
	Probability distributions).
AXC D	Parametric methods (general)
F	Non-parametric methods (general)
J	Decision making
Ν	Inference
AXD	Estimation, parameter estimation
J	Point estimation Maximum likelihood
AXE	Interval estimation, confidence intervals
AXF	Tests of significance, hypothesis testing
U	Types of inference
Y	Probability (general)
	* Alternative (not recommended) to keeping separately in
	mathematics (at AWX).
AXG	STATISTICAL PROBABILITY
7	. Mathematics
Н	. Variables
Т	. Conditional probability
AXH	. Random variables
	. Properties
ВВ	Expectation
AXI	. Probability distributions, statistical distributions
DV	Properties
BK	Statistical dispersion
BP	Moments
ВХ	Turner
AVIV	Types
AAJK	Continuous distributions (general)
	Continuous distributions (general)
	Discrete
	Disciele Binomial Daisson
N O	Continuous
D	Normal Chi square
	Multiveriete distributions
AYM	Limit distributions limiting
	STOCHASTIC PROCESSES
7	Mathematics
7	Stochastic analysis
/ W 85	Measurement
60	Special elements
Ο	Time Sample path
c c	Stochastic dynamical systems
5	Stochastic dynamical systems

	STATISTICS & PROBABILITY AX
	. STATISTICAL PROBABILITY AXG
	STOCHASTIC PROCESSES AXN Special elements
	Stochastic dynamical systems AXN S
	Stochastic dynamical systems
AXN U	Networks
	Types
w	Ergodic processes
AVO	Markov processes
АЛО	
Q	
R	Birth & death processes
V	Branching processes
AXP D	Diffusion processes
S	Stationary processes
v	Martingales
	Special probabilistic phenomena
x	Games theory Queuing Renewal
AYOG	Inventory
AAQU	STATISTICAL MODELS
K	. STATISTICAL MODELS
	. DESIGN & ANALYSIS OF EXPERIMENTS
AXR	Design of experiments, statistical design
	Operations
9D	Randomization
9M	Replication
9N	Confounding
90	Combining tests Comparison tests
	Types of designs
SE	Experimental groups Comparative designs
AVS	Analysis of experiments statistical analysis
AAS	Multivariate analysis
	Varianza analysis
AAI	variance, analysis of variance
v	Covariance
AXU C	Correlation & regression
E	Correlation
Ν	Regression
Y	Series design & analysis
AXV	Time series
VN	Stationary series Forecasting
AXW	Sampling theory, random sampling theory
I	Sampling distributions
1	Types of sampling
	Simple Stratified Cluster
АЛЛ В	Sequential sempling sequential analysis
н	Sequential sampling, sequential analysis
X	Monte Carlo methods
AXY	APPLIED STATISTICS
	* Alternative (not recommended) to subordinating to
	subject wo which applied.
	* Add to AXY numbers 4/9 & letters A/Z from the whole
	classification; e.g. Operations research AXY TQS.