This collection consists of

1. A list of 98 general journals of mathematics, divided into three groups: top quality (6), high quality (20), good quality (72)
2. A list of 74 specialized journals of theoretical mathematics, divided into two groups: high quality (28), good quality (46)
3. A list of 32 journals in statistics and related fields, divided into three groups: top quality (4), high quality (18), good quality (11)
4. A list of 127 other journals of mathematics and related fields, particularly applied mathematics and mathematics education, divided into two groups: high quality (20), good quality (107)

The collection is developed by the UNT Mathematics Department EC with input from all faculty. It is important to note:

a. The lists are intended as one of several ways to review the quality of research for tenure candidates.
b. Some journals might appear in more than one list. For instance, PNAS appears both in the general math journals list and the other journals list, as a top quality journal in the former and a high quality journal in the latter. When this happens, the intention is to differentiate those that appear as math papers (and therefore regarded to be of top quality research in mathematics) and those that appear in other fields but with applications of mathematics or even contributions to mathematics (and regarded to be of high quality research in mathematics or applied mathematics).
c. Some journals publish survey papers, notes, problems and solutions, etc. In these cases not everything published in the journals are considered research publications.

The collection will be maintained and updated by the EC according to the following guidelines:

- At any time, any faculty member may request that the EC consider adding a journal or revising its grouping.
- At least once every 5 years the EC will review and update the entire collection.

General Journals of Mathematics (99)

Top Quality (6)

Acta Mathematica
Annals of Mathematics
Inventiones Mathematicae
Journal of the American Mathematical Society
Proceedings of the National Academy of Sciences of the United States of America
Publications Mathématiques de l'Institut des Hautes Études Scientifiques

High Quality (20)

Advances in Mathematics
American Journal of Mathematics
Annales Scientifiques de l'École Normale Supérieure
Annali della Scuola Normale Superiore di Pisa.Classe di Scienz.
Astérisque
Bulletin of the American Mathematical Society *
Compositio Mathematica
Duke Mathematical Journal
Foundations of Computational Mathematics
International Mathematics Research Notices
Journal de l'Institut de Mathématiques de Jussieu
Journal de Mathématiques Pures et Appliquées
Journal für die Reine und Angewandte Mathematik
Journal of the European Mathematical Society
Mathematics of Computation
Mathematische Annalen
Memoirs of the American Mathematical Society
Proceedings of the London Mathematical Society
Selecta Mathematica
Transactions of the American Mathematical Society

Good Quality (72)

Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg
Acta Mathematica Hungarica
Advances in Applied Mathematics
American Mathematical Monthly **
Annales de l'Institue Fourier. Université de Grenoble.
Archiv der Mathematik (Basel)
Arkiv för Matematik
Ars Mathematica Contemporanea

Asian Journal of Mathematics

Bulletin de la Société Mathématique de France

Bulletin of the Australian Mathematical Society

Bulletin of the Brazilian Mathematical Society

Bulletin of the London Mathematical Society

Bulletin of the Malaysian Mathematical Sciences Society

Canadian Journal of Mathematics

Canadian Mathematical Bulletin

Central European Journal of Mathematics

Chinese Annals of Mathematics. Series B.

Collectanea Mathematica

Commentarii Mathematici Helvetici

Comptes Rendus Mathématique. Académie des Sciences. Paris.

Dissertationes Mathematicae (Rozprawy Matematyczne)

Documenta Mathematica

Electronic Research Announcements in Mathematical Sciences

Expositiones Mathematica

Forum Mathematicum

Glasgow Mathematical Journal

Houston Journal of Mathematics

Illinois Journal of Mathematics

Indagationes Mathematicae

Indiana University Mathematics Journal

International Journal of Mathematics

Israel Journal of Mathematics

Japanese Journal of Mathematics

Journal of Mathematical Analysis and Applications

Journal of the Australian Mathematical Society

Journal of the London Mathematical Society

Journal of the Mathematical Society of Japan

Journal of the Ramanujan Mathematical Society

Kyoto Journal of Mathematics

Manuscripta Mathematica

Mathematica Scandinavica

Mathematical Proceedings of the Cambridge Philosophical Society

Mathematical Research Letters

Mathematika

Mathematische Nachrichten

Mathematische Zeitschrift

Mediterranean Journal of Mathematics

Mémories de la Société Mathématique de France (Nouvelle Série)

Michigan Mathematical Journal

Milan Journal of Mathematics

Monatshefte für Mathematik
Moscow Mathematical Journal
Nagoya Mathematical Journal
New York Journal of Mathematics
Notices of the American Mathematical Society *
Osaka Journal of Mathematics
Pacific Journal of Mathematics
Proceedings fo the Japan Academy. Series A. Mathematical Sciences.
Proceedings of the American Mathematical Society
Proceedings of the Edinburgh Mathematical Society
Proceedingsof the Royal Society of Edinburgh. Section A.
Publicacions Matemátiques
Publications of the Research Institute for Mathematical Sciences
Pure and Applied Mathematics Quarterly
Quarterly Journal of Mathematics
Revista Mathemática Complutense
Revista Mathemática Iberoamericana
Rocky Mountain Journal of Mathematics
Science China. Mathematics.
Studies in Applied Mathematics
Tohoku Mathematical Journal

* Only "Feature Articles" are recognized as research publications
** Only "Articles" and "Notes" are recognized as research publications

Specialized Journals in Theoretical Mathematics (74)

High Quality (28)

Acta Arithmeticae	number theory
Algebra and Number Theory	algebra, number theory
Annals of Applied Probability	probability
Annals of Probability	probability
Annals of Pure and Applied Logic	logic
Bernoulli	probability
Communications in Mathematical Physics	mathematical physics, operator algebras
Communications in Number Theory and Physics	number theory, mathematical physics
Communications in Partial Differential Equations	differential equations
Discrete and Continuous Dynamical Systems	discrete math, combinatorics, dynamics
Ergodic Theory and Dynamical Systems	dynamics
Geometric and Functional Analysis	geometry, analysis
Journal d'Analyse Mathematique	analysis, dynamics
Journal of Algebra	algebra

Journal of Algebraic Combinatorics	algebra, combinatorics
Journal of Combinatorial Theory. Series B.	combinatorics
Journal of Differential Equations	differential equations
Journal of Differential Geometry	geometry, mathematical physics
Journal of Functional Analysis	analysis, geometry, mathematical physics
Journal of Mathematical Logic	logic
Journal of Modern Dynamics	dynamics
Journal of Number Theory	number theory
Journal of Symbolic Logic	logic
Nonlinear Analysis	analysis
Nonlinearity	dynamics, mathematical physics, analysis
Probability Theory and Related Fields	probability
Representation Theory	algebra
Tranformation Groups	algebra

Good Quality (46)

Advances in Applied Probability	probability
Advances in Differential Equations	differential equations
Alegraba Colloquium	algebra
Algebra and Logic	logic
Algebra and Representation Theory	algebra
Algebra Universalis	algebra
Archive for Mathematical Logic	logic
Bulletin of Symbolic Logic	logic
Combinatorica	combinatorics
Communications in Algebra	algebra
Designs, Codes and Crypotography	algebra
Differential and Integral Equations	differential equations
Dynamical Systems	dynamics
Electronic Communications in Probability	probability
Electronic Journal of Differential Equations	differential equations
Electronic Journal of Probability	probability
Electronic Journal of Qualitative Differential Equations	differential equations
Finance and Stochastics	probability
Fundamenta Mathematicae	logic, topology, dynamics
Geometricae Dedicata	geometry, topology, group theory, dynamics
International Journal of Number Theory	number theory
Journal de Théorie des Nombres de Bordeaux	number theory
Journal of Algebra and Its Applications	algebra
Journal of Applied Probability	probability
Journal of Combinatorial Theory. Series A.	combinatorics
Journal of Group Theory	algebra

Journal of Lie Theory	algebra
Journal of Pure and Applied Algebra	algebra
Journal of Statistical Physics	statistical physics, dynamics
Journal of Theoretical Probability	probability
Journal of Topology and Analysis	topology, analysis
Linear Algebra and Its Applications	algebra
Linear and Multilinear Algebra	algebra
Mathematical Logic Quarterly	logic
Notre Dame Journal of Formal Logic	logic
Positivity	analysis
Ramanujan Journal	number theory
Random Structures and Algorithms	probability
Semigroup Forum	algebra
Stochastic Analysis and Applications	probability
Stochastic Processes and Applications	probability
Stochastics	probability
Stochastics and Dynamics	dynamics, probability
Studia Mathematica	analysis, probabilty
Topology	topology
Topology and Its Applications	topology

Journals of Statistics and Related Fields (32)

Top Quality (4)

Annals of Statistics
Biometrika
Econometrica
Journal of the American Statistical Association

High Quality (18)

Bayesian Analysis
Biometrical Journal
Biometrics
IEEE Transactions on Image Processing
IEEE Transactions on Information Theory
IEEE Transactions on Signal Processing
Journal of Computational and Graphical Statistics
Journal of Econometrics
Journal of Multivariate Analysis
Journal of the Royal Statistical Society, Series B: Statistical Methodology

Journal of Time Series Analysis
Scandinavian Journal of Statistics
Statistica Sinica
Statistics
Statistics and Computing
Statistics in Medicine
Stochastic Processes and their Applications
Technometrics

Good Quality (11)

American Statistician
Canadian Journal of Statistics
Computational Statistics & Data Analysis
Journal of Applied Statistics
Journal of Nonparametric Statistics
Journal of Statistical Computation and Simulation
Journal of Statistical Planning and Inference
Lifetime Data Analysis
Statistica Neerlandica
Statistics & Probability Letters

Journals Other Than Theoretical Mathematics and Statistics (127)

High Quality (20)

Acta Numer.
Advanced Materials
Annual Review of Materials Research
Computer Methods in Applied Mechanics and Engineering
Computers & Mathematics with Applications
IEEE Trans. Automat. Control
IEEE Trans. Image Process.
IEEE Trans. Inf. Theory
International Journal for Numerical Methods in Engineering
Mathematical Programming
Nature
Nature Materials
Physical Review Letters
Proceedings of the National Academy of Sciences
Reviews of Modern Physics
Science
SIAM J. Imagin Sci.

SIAM Journal on Optimization
SIAM Journal on Scientific Computing
SIAM Review

Good Quality (107)

Advances in Applied Probability
Advances in Computational Mathematics
AIP Advances
Annals of Applied Probability
Annals of Operations Research
Annals of Probability
Appl. Math. Optim.
Applied Mechanics Reviews
Applied Numerical Mathematics
Applied Physics Letters
Biometrika
Biosystems
Cement and Concrete Research
College Mathematics Journal
Communications in Mathematics Physics
Computational Optimization and Applications
Educational Studies in Mathematics
Engineering Optimization
Experimental Mathematics
Geometry and Topology
IEEE Trans. Comput. Intell. AI Games
IEEE Trans. Comput-Aided Des. Integr. Circuits Syst.
IMA Journal of Numerical Analysis
International Journal for Studies in Mathematics Education
International Journal of Applied Mechanics
International Journal of Engineering Science
International Journal of Mathematical Education in Science and Technology
International Journal of Mechanical Sciences
International Journal of Research in Undergraduate Mathematics Education
International Journal of Solids and Structures
Journal for Research in Mathematics Education
Journal of Applied Physics
Journal of Applied Probability
Journal of Chemical Physics
Journal of Colloid and Interface Science

Journal of Combinatorial Optimization
Journal of Computational and Applied Mathematics
Journal of Computational Mathematics
Journal of Computational Physics
Journal of Fluid Mechanics
Journal of Geophysical Research
Journal of Global Optimization
Journal of Materials Research
Journal of Mathematical Behavior
Journal of Mathematical Physics
Journal of Mathematics Teacher Education
Journal of Optimization Theory and Applications
Journal of Physical Chemistry B
Journal of Physics A: Mathematical and General
Journal of Scientific Computing
Journal of Statistical Physics
Journal of the Mechanics and Physics of Solids
Journal of Theoretical Biology
Macromolecular Theory and Simulations
Materials Characterization
MathAMATYC Educator
Mathematical Thinking and Learning
Mathematics in School
Mathematics Magazine
Mathematics of Computation
Mathematics of Operations Research
Mathematics Teacher
Mathematics Teaching in the Middle School
Mechanics of Materials
Modelling and Simulation in Materials Science and Engineering
Molecular Physics
Numerical Linear Algebra with Applications
Numerische Mathematik
Optics Express
Optim. Lett.
OPTIMAL CONTROL APPLICATIONS & METHODS
Optimization and Engineering
Optimization Methods & Software
Pac. J. Optim.
Philosophical Transactions of the Royal Society A
Physica A
Physical Biology
Physical Review A

Physical Review B
Physical Review E
Physics of Fluids
PLoS Computational Biology
PLoS ONE
Polymer Engineering and Science
Probability Theory and Related Fields
Problems, Resources, and Issues in Mathematics Undergraduate Studies
Proceedings of the Royal Society of London A
Research in Collegiate Mathematics Education
Research in Mathematics Education
Reviews in Chemical Engineering
SIAM Journal on Applied Dynamical Systems
SIAM Journal on Applied Mathematics
SIAM Journal on Control and Optimization
SIAM Journal on Financial Mathematics
SIAM Journal on Matrix Analysis and Applications
SIAM Journal on Numerical Analysis
Smart Materials and Structures
Soft Matter
Statistics and Probability Letters
Statistics Education Research Journal
Structural and Multidisciplinary Optimization
Studies in Applied Mathematics
Teaching Children Mathematics
The Mathematics Educator
Theory of Probability and Its Applications