

Selection of theses Mathematics (not claiming to be a complete list)

Degree Course	Title	First supervisor
Mathematik (Bachelor of Science)	On a certain class of distributions on de Sitter space	Bahns, Dorothea
Mathematik (Bachelor of Science)	Die Wellenfrontmenge gewisser getwisteter Distribution aus der nicht-kommutativen Quantenfeldtheorie	Bahns, Dorothea
Mathematik (Master of Science)	Produkte temperierter Distributionen	Bahns, Dorothea
Mathematik (Bachelor of Science)	Sturm - Liouville - Operatoren	Bahns, Dorothea
Mathematik (Bachelor of Science)	Fourier - Analysis auf der Heisenberg - Gruppe	Bahns, Dorothea
Mathematik (Bachelor of Science)	Das Gelfandsche Raumtripler und der verallgemeinerte Spektralsatz	Bahns, Dorothea
Mathematik (Bachelor of Science)	Beschreibung der Geometrie eingebetteter Flächen mit Hilfe einer Poisson-Struktur	Bahns, Dorothea
Mathematik (Bachelor of Science)	Lie - Bialgebren	Bahns, Dorothea
Mathematik (Bachelor of Science)	Inclusion of Von Neumann Algebras and Q-Systems	Bahns, Dorothea
Mathematik (Bachelor of Science)	Mathematische Grundlagen des Gross-Pitaevskii-Modells	Bahns, Dorothea
Mathematik (Master of Science)	Erweiterungen der Heisenberg-Lie-Algebra, die koadjungierte Orbit-Methode und Unschärferelationen	Bahns, Dorothea
Mathematik (Master of Science)	Marsden-Weinstein Reduction & Quantization	Bahns, Dorothea
Mathematik (Master of Science)	Diophantine approximations with cuspidal points - a generalized Farey process	Bahns, Dorothea
Mathematik (Bachelor of Science)	Extension of distributions	Bahns, Dorothea
Mathematik (Bachelor of Science)	Eine unendlich-dimensional Lie Algebra als Darstellungsraum der $sl(2, \mathbb{C})$	Bahns, Dorothea
Mathematik (Master of Science)	Structural Analysis of the Pohlmeyer-Rehren Lie algebra	Bahns, Dorothea
Mathematik (Bachelor of Science)	Das Spektrum des Maxwell-Operators in periodischen Medien	Bahns, Dorothea
Mathematik (Bachelor of Science)	Quasikristalle und die Cut-and-Project-Methode	Bahns, Dorothea
Mathematik (Bachelor of Science)	The perturbation semigroup in noncommutative geometry	Bahns, Dorothea
Mathematik (Bachelor of Science)	Quantization and Reduction	Bahns, Dorothea
Mathematik (2-Fächer-Bachelor)	Stabilitätsanalyse nichtlinearer Differenzialgleichungen mit der direkten Methode von Ljapunov	Bahns, Dorothea
Mathematik (Bachelor of Science)	On the Existence of Certain Oscillatory Integrals as Tempered Distributions	Bahns, Dorothea
Mathematik (2-Fächer-Bachelor)	Stabilitätsanalyse des Oregonatormodells	Bahns, Dorothea
Mathematik (Bachelor of Science)	Generating solutions to a symmetry reduced Einstein equation	Bahns, Dorothea
Mathematik (Bachelor of Science)	Local effects in cosmological models	Bahns, Dorothea
Mathematik (Master of Science)	Quantization on extensions of the Heisenberg group	Bahns, Dorothea
Mathematik (Bachelor of Science)	The Charge operator in Wightman theory	Bahns, Dorothea
Mathematik (Bachelor of Science)	Zur Auflösung der Wellenfrontmenge mittels Shearlets	Bahns, Dorothea
Mathematik (Bachelor of Science)	Green's function on plane boundary subsets of \mathbb{H}^n via the Method of Images	Bahns, Dorothea
Mathematik (Bachelor of Science)	A Tightness Criterion and the Ising Model	Bahns, Dorothea
Mathematik (Bachelor of Science)	Beamlets und der Sobolev-Raum H^s	Bahns, Dorothea
Mathematik (Bachelor of Science)	Marsden-Weinstein-Reduktion für Wirkungen halbeinfacher Lie-Gruppen	Bahns, Dorothea
Mathematik (Bachelor of Science)	Blockchain - Technologien in der Automobilindustrie	Bahns, Dorothea
Mathematik (Master of Science)	Geometric Invariants of Minimal Surfaces	Bahns, Dorothea
Mathematik (Bachelor of Science)	Sharp Lieb-Thirring inequalities in high dimensions	Bahns, Dorothea
Mathematik (Master of Science)	Von Neumann Entropy in Curved Spacetime	Bahns, Dorothea
Mathematik (Bachelor of Science)	Schwarze Löcher in höheren Dimensionen	Bahns, Dorothea
Mathematik (Bachelor of Science)	Vessiot's Methode zur Analyse partieller Differentialgleichungen	Bahns, Dorothea
Mathematik (Bachelor of Science)	Hooley's Lösung eines Problems von Hardy und Littlewood	Brüder, Jörg
Mathematik (Master of Science)	Almost prime zeros of forms	Brüder, Jörg
Mathematik (Master of Science)	Search bounds for zeros of rational cubic forms	Brüder, Jörg
Mathematik (Master of Science)	Sparse variance for k-free numbers in arithmetic progressions	Brüder, Jörg
Mathematik (Bachelor of Science)	Ein hyperbolisches Gitterpunktproblem	Brüder, Jörg

Mathematik (Master of Science)	Lücken in den Werten binärer quadratischer Formen	Brüder, Jörg
Mathematik (Master of Science)	Eine asymptotische Formel für die Anzahl der Teiler von p^2+1	Brüder, Jörg
Mathematik (2-Fächer-Bachelor)	Kurt Hensel und die Erfindung der p-adischen Zahlen	Brüder, Jörg
Mathematik (2-Fächer-Bachelor)	Lücken zwischen den Werten binärer quadratischer Formen: Ein Beispiel	Brüder, Jörg
Mathematik (Bachelor of Science)	Die Teilerfunktion im Mittel	Brüder, Jörg
Mathematik (Master of Science)	Representation of Squares by Cubic Forms	Brüder, Jörg
Mathematik (Bachelor of Science)	Der größte gemeinsame Teiler in arithmetischen Progressionen	Brüder, Jörg
Mathematik (Bachelor of Science)	Eine Anwendung von Hooley's Delta-Funktion	Brüder, Jörg
Mathematik (Master of Science)	An example for the theorem of Freiman-Scourfield	Brüder, Jörg
Mathematik (2-Fächer-Bachelor)	Das Quadratische Reziprozitätsgesetz für Schüler-Arbeitsgemeinschaften	Brüder, Jörg
Mathematik (Bachelor of Science)	Nullsummen in endlichen Ebenen	Brüder, Jörg
Mathematik (Master of Science)	Beyond Artin's Conjecture for Cubic Forms	Brüder, Jörg
Mathematik (Bachelor of Science)	Quadratsummen von binären quadratischen Formen	Brüder, Jörg
Mathematik (Master of Science)	On the asymptotic formula for Waring's Problem for cubes and biquadrates	Brüder, Jörg
Mathematik (2-Fächer-Bachelor)	Die Eulersche Summenformel	Brüder, Jörg
Mathematik (Bachelor of Science)	Der Satz von Poincaré-Hopf	Brüder, Jörg
Mathematik (Bachelor of Science)	Das ternäre Goldbachsche Problem	Brüder, Jörg
Mathematik (Master of Science)	Sum of two squares of primes	Brüder, Jörg
Mathematik (Master of Science)	Arithmetic Statistics of Modular Symbols	Brüder, Jörg
Mathematik (2-Fächer-Bachelor)	Lücken zwischen Werten binärer quadratischer Formen	Brüder, Jörg
Mathematik (Master of Science)	Small solutions of cubic homogeneous equations	Brüder, Jörg
Mathematik (Bachelor of Science)	Multilineare Gleichungen	Brüder, Jörg
Mathematik (Master of Science)	Dirichlet Divisor Problem	Brüder, Jörg
Mathematik (Bachelor of Science)	Die Eulersche Phi-Funktion in arithmetischen Progressionen	Brüder, Jörg
Mathematik (Master of Science)	LINEAR FORMS IN PRIMES ON AVERAGE	Brüder, Jörg
Mathematik (Bachelor of Science)	Imaginärquadratische Zahlkörper mit Klassenzahl Eins	Brüder, Jörg
Mathematik (Master of Science)	The Hyperbola Method for Logarithmic Error Savings	Brüder, Jörg
Mathematik (Bachelor of Science)	Gewichtete Varianten des Gaußschen Kreisproblems	Brüder, Jörg
Mathematik (Master of Science)	The Möbius Function on Arithmetic Progressions	Brüder, Jörg
Mathematik (Bachelor of Science)	DARSTELLUNGEN DURCH TERNÄRE QUADRATISCHE FORMEN	Brüder, Jörg
Mathematik (Bachelor of Science)	On imaginary quadratic fields with class number 1	Brüder, Jörg
Mathematik (Bachelor of Science)	Sums of Two Squares in Arithmetic Progressions	Brüder, Jörg
Mathematik (Master of Science)	VERY SPARSE VARIANCE FOR PRIMES IN ARITHMETIC PROGRESSION	Brüder, Jörg
Mathematik (Master of Science)	Untersuchung von Feedback-Mechanismen im visuellen Cortex mit Deep Learning Modellen	Ecker, Alexander
Mathematik (Bachelor of Science)	Deep learning based semantic segmentation of building damage after natural disasters on satellite imagery	Ecker, Alexander
Mathematik (Master of Science)	Synthetic Time Series Generation using GANs with application in Energy Economics	Ecker, Alexander
Mathematical Data Science (Bachelor of Science)	Fast and interactive style transfer with people segmentation	Ecker, Alexander
Mathematical Data Science (Bachelor of Science)	Cubist Mirror	
Mathematical Data Science (Bachelor of Science)	Design and implementation of a real-time interactive style transfer application	Ecker, Alexander
Mathematical Data Science (Bachelor of Science)	Active Learning zur Minimierung des Labelingaufwandes bei der KI-basierten Oberflächenprüfung in der industriellen Produktion	Ecker, Alexander
Mathematical Data Science (Bachelor of Science)	Eigenvektoren, Rekurrenz Kriterien und Martingalmethoden für Markov-Ketten	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Beweise des Zentralen Grenzwertsatzes und die Steinsche Methode	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Glauber-Dynamik und Exakte Simulation für das Ising-Modell	Fiebig, Ulf-Rainer
Mathematik (2-Fächer-Bachelor)	Asymptotische Gradverteilungen von Zufallsgraphen	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Lineare Methoden für Klassifikationsprobleme	Fiebig, Ulf-Rainer

Mathematik (Bachelor of Science)	Markovketten, Coupling und exakte Simulation von Verteilungen (bei endlichem Zustandsraum)	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Bootstrap, Maximum-Likelihood und Bayes-Methoden für Regressionsmodelle	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Asymptotische Normalität von Schätzern in Regressionsmodellen	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Datentransformationen in Regressionsmodellen (Ridge-, Hauptkomponenten- und PLS-Regression)	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Exakte Simulation des Ising-Modells bei allen Temperaturen	Fiebig, Ulf-Rainer
Mathematik (2-Fächer-Bachelor)	Zufallsgraphen: Große Komponenten und "Kleine-Welt"-Modelle	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Modellselektion und Informationskriterien für die lineare Regression	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Markovketten, Zufallsfelder und Gibbs-Potentiale	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Konvergenz von MCMC-Methoden: Metropolis-Algorithmus, Gibbs-Sampler und Simulated Annealing	Fiebig, Ulf-Rainer
Mathematik (2-Fächer-Bachelor)	Gesetze der großen Zahlen und faire Spiele bei unendlichem Erwartungswert	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Ruin Theory in the Cramér-Lundberg Model	Fiebig, Ulf-Rainer
Mathematik (2-Fächer-Bachelor)	Irrfahrten auf Graphen und Gleichstromkreise	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	Das Mischen von Karten und Genen in diskreter und stetiger Zeit	Fiebig, Ulf-Rainer
Mathematik (Bachelor of Science)	MCMC-Algorithmen für das Ising-Modell und das Random-Cluster-Modell	Fiebig, Ulf-Rainer
Mathematik (2-Fächer-Bachelor)	Algorithmen zur Berechnung von Werten klassischer Funktionen mit dem Taschenrechner	Halverscheid, Stefan
Mathematik (2-Fächer-Bachelor)	Orientierung in der Ebene	Halverscheid, Stefan
Mathematik (Master of Science)	Lineare inverse Probleme mit Gleichungsnebenbedingungen	Hohage, Thorsten
Mathematik (Master of Science)	Behandlung von Lagrange-Multiplikatoren in der Regularisierungstheorie	Hohage, Thorsten
Mathematik (Master of Science)	Statistical Deconvolution Problems in Local Helioseismology	Hohage, Thorsten
Mathematik (Master of Science)	Elastic Energy Regularization for Inverse Obstacle Problems	Hohage, Thorsten
Mathematik (Master of Science)	Characterization of variational source conditions for inverse medium scattering problems	Hohage, Thorsten
Mathematik (Bachelor of Science)	Bestimmung der Menge aller Qualifikationen des Showalter-Verfahrens und verwandter Verfahren	Hohage, Thorsten
Mathematik (Master of Science)	Convergence Rates for Exponentially Ill-Posed Inverse Problems with Impulsive Noise	Hohage, Thorsten
Mathematik (Bachelor of Science)	Solving an Inverse Transmission Scattering Problem via the Iteratively Regularized Gauss-Newton Method	Hohage, Thorsten
Mathematik (Master of Science)	Inverse Scattering Problems using Multifrequency Measurements	Hohage, Thorsten
Mathematik (Bachelor of Science)	Optimale nicht-spektrale Regularisierungsverfahren für Hölder-Quellbedingungen mit großem Index	Hohage, Thorsten
Mathematik (Master of Science)	Entropy-based lower bounds for stability estimates in inverse problems and applications	Hohage, Thorsten
Mathematik (Bachelor of Science)	On spectral regularization of deconvolution problems: Upper and lower bounds on convergence rates	Hohage, Thorsten
Mathematik (Bachelor of Science)	Adversarial Regularizers in Inverse Problems	Hohage, Thorsten
Mathematik (Bachelor of Science)	Phase contrast reconstructions from intensity correlation data	Hohage, Thorsten
Mathematik (Master of Science)	Notwendige Bedingungen für Konvergenzraten von verallgemeinerter Tikhonov Regularisierung	Hohage, Thorsten
Mathematik (Master of Science)	Gradient-Based Inversion and Focusing of Beamline Raytracing	Hohage, Thorsten
Mathematik (2-Fächer-Bachelor)	Ein Gebietszerlegungsverfahren zur Vorkonditionierung der Helmholtz-Gleichung	Hohage, Thorsten
Mathematik (Bachelor of Science)	Convergence rate analysis of second order dynamics algorithms for linear inverse problems	Hohage, Thorsten
Mathematik (Master of Science)	ON CONVERGENCE RATES OF TIKHONOV REGULARIZATION WITH ℓ^1 - and ℓ^2 -TYPE PENALTIES	Hohage, Thorsten
Mathematik (Bachelor of Science)	Optimale Versuchsplanung zur Identifikation zufälliger Quellen aus Korrelationsmessungen	Hohage, Thorsten
Mathematik (Master of Science)	Deep Image Priors for Nonlinear Inverse Problems with Applications to Parallel MRI	Hohage, Thorsten
Mathematik (Master of Science)	WELL-POSEDNESS OF GALBURN'S EQUATIONS FOR DIFFERENT BOUNDARY CONDITIONS	Hohage, Thorsten
Mathematik (2-Fächer-Bachelor)	A fully data-driven combined Newton CG - iteratively regularized Gauß-Newton method	Hohage, Thorsten
Mathematik (Master of Science)	KRYLOV-BASED REDUCED BASIS METHODS FOR INVERSE PROBLEMS	Hohage, Thorsten
Mathematik (Master of Science)	Improvement of material surface measurements depending on environmental factors - A time series analysis of roughness measurements under the influence of vibrations	Huckemann, Stephan
Mathematik (Master of Science)	Learning Gabor Features from Fingerprints	Huckemann, Stephan
Mathematik (Master of Science)	Implementing Iterative Denoising Schemes with Application to Shoeprint Imaging	Huckemann, Stephan
Mathematik (Master of Science)	Modelling Minutiae Distributions in Fingerprints using Point Processes Driven by Orientation Fields	Huckemann, Stephan
Mathematik (Bachelor of Science)	Geometrische und statistische Methoden zur Erzeugung synthetischer Fingerabdrücke	Huckemann, Stephan

Mathematik (Master of Science)	Nicht-Konformität von realen und künstlich erzeugten Fingerabdrücken	Huckemann, Stephan
Mathematik (Bachelor of Science)	Geometrische und statistische Methoden zur Gewinnung des Orientierungsfeldes eines Fingerabdrucks aus seinen Minuten	Huckemann, Stephan
Mathematik (Master of Science)	Verbesserung von Minuten-basierten Orientierungsfeld-Rekonstruktionen an Singularitäten	Huckemann, Stephan
Mathematik (Bachelor of Science)	Statistische Modelle für Anisotropie in Zeitreihen von Punktmustern mit Anwendungen in der Fingerabdruckanalyse	Huckemann, Stephan
Mathematik (Bachelor of Science)	Thin-Plate Splines als Deformationsmodell für Minutenmuster in der Fingerabdruckanalyse	Huckemann, Stephan
Mathematik (Master of Science)	Fréchet Means and Procrustes Analysis for Distortions in Fingerprints	Huckemann, Stephan
Mathematik (Bachelor of Science)	Manifold-Valued Diffusion Processes	Huckemann, Stephan
Mathematik (Bachelor of Science)	Functional Estimation and Hypothesis Testing of Center of Rotation models in Knee Analysis	Huckemann, Stephan
Mathematik (Master of Science)	Confidence Statements for Qualitative Features in Circular Deconvolution	Huckemann, Stephan
Mathematik (Master of Science)	Non-Euclidean Statistical Methods for the Analysis of Electron-Nuclear Double Resonance Spectra	Huckemann, Stephan
Mathematik (Bachelor of Science)	Markov-Ketten-Monte-Carlo-Simulation und Parameterschätzung für das Aktin-Stressfaser-Cytoskelett	Huckemann, Stephan
Mathematik (Master of Science)	Shape analysis of RNA backbones on microscopic and mesoscopic scales	Huckemann, Stephan
Mathematik (Master of Science)	On Mathematical Model Spaces for Phylogenetic Trees	Huckemann, Stephan
Mathematik (Master of Science)	Multi-Objective Bayesian Optimization	Huckemann, Stephan
Mathematik (Master of Science)	Shock Filters for Fingerprint Simulation	Huckemann, Stephan
Mathematik (Master of Science)	MINCE post AGE on Manifolds	Huckemann, Stephan
Mathematik (Bachelor of Science)	Machine Learning Methods for Environmentally Induced Early Stem Cell Differentiation	Huckemann, Stephan
Mathematik (Bachelor of Science)	Exploring Smear Limit Theorems	Huckemann, Stephan
Mathematik (Master of Science)	Small sample size clustering based on circular mode hunting with application to RNA structure learning	Huckemann, Stephan
Mathematik (Bachelor of Science)	Analyse von irregulären multivariaten Zeitreihen mit Rekurrenten Neuronalen Netzen	Huckemann, Stephan
Mathematik (Master of Science)	The degree of stickiness on the K-spider	Huckemann, Stephan
Mathematik (Master of Science)	Variational autoencoder-based generation of global fingerprint features	Huckemann, Stephan
Mathematik (Master of Science)	Anderson's Theorem for PCA Viewed Through Residual Means	Huckemann, Stephan
Mathematik (Master of Science)	Shape Analysis of RNA Residues	Huckemann, Stephan
Mathematik (Bachelor of Science)	Towards Generating Realistic Orientation Fields of Fingerprints	Huckemann, Stephan
Mathematik (Master of Science)	Estimation of optimal transport maps	Huckemann, Stephan
Mathematik (Master of Science)	APPLICATION OF FUNCTIONAL PRINCIPAL COMPONENT ANALYSIS	Huckemann, Stephan
Mathematik (Master of Science)	STATISTICAL MODELS FOR PREDICTING THE NUMBER OF SARS-CoV-2 INFECTIONS IN GERMANY	Huckemann, Stephan
Mathematik (2-Fächer-Bachelor)	Asymptotische Verteilung des Likelihood-Ratio-Tests in parametrischen Modellen und Anwendungen	Huckemann, Stephan
Mathematik (Bachelor of Science)	Finite Sample Stickiness on NPC Spaces with Isolated Singularities	Huckemann, Stephan
Mathematik (Master of Science)	The long diffusion time limit of diffusion means on spheres and real projective spaces	Huckemann, Stephan
Mathematik (Bachelor of Science)	The Heteroscedastic Drift Model for ENDOR Data	Huckemann, Stephan
Mathematik (Master of Science)	A Comparison of Ordinary and Copula Spectral Densities of Stationary Time Series	Kley, Tobias
Mathematik (Master of Science)	A quantum approach to anomaly diagnosis in production HPC systems	Kley, Tobias
Mathematik (Bachelor of Science)	Quantile Regression: Computation and Data Analysis	Kley, Tobias
Mathematik (Bachelor of Science)	Natural Language Processing for Twitter Privacy	Kneib, Thomas
Mathematical Data Science (Bachelor of Science)	Analyzing Blended Learning Education using Eye Tracking and Deep Learning Methods	Kneib, Thomas
Mathematical Data Science (Bachelor of Science)	Topic Modelling in Transformer-based Embedding Spaces	Kneib, Thomas
Mathematik (Master of Science)	Higher order stabilized time stepping in the unfitted finite element method on moving domains	Lehrenfeld, Christoph
Mathematik (Master of Science)	Wall Function Enriched Hybrid Discontinuous Galerkin Methods for Incompressible Flows	Lehrenfeld, Christoph
Mathematik (Master of Science)	Model order reduction for incompressible flows based on structure-preserving discretizations	Lehrenfeld, Christoph
Mathematik (Master of Science)	SPECTRAL DEFERRED CORRECTION METHODS FOR SPATIALLY DISCRETIZED FLOW PROBLEMS	Lehrenfeld, Christoph
Mathematik (Master of Science)	Higher order unfitted isoparametric space-time FEM on moving domains	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	Unfitted Nitsche's Method for Maxwell's Interface Problems in 2D	Lehrenfeld, Christoph

Mathematik (Master of Science)	Monolithic Unfitted Space-Time FEM for an Osmotic Cell Swelling Problem	Lehrenfeld, Christoph
Mathematik (2-Fächer-Bachelor)	Higher order Discontinuous Galerkin methods for the Laplace-Beltrami problem on unfitted smooth surfaces	Lehrenfeld, Christoph
Mathematik (Master of Science)	On Discontinuous- and Continuous-In-Time Unfitted Space-Time Methods for PDEs on Moving Domains	Lehrenfeld, Christoph
Mathematik (Master of Science)	Embedded Trefftz Trace DG Methods for PDEs on unfitted Surfaces	Lehrenfeld, Christoph
Mathematik (Master of Science)	An HDG method to the Spalart-Allmaras model	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	Finite Element discretization of laticifer flows	Lehrenfeld, Christoph
Mathematik (Master of Science)	Pure Eulerian Unfitted FEM for Biological Fluid-Structure Interaction Problems	Lehrenfeld, Christoph
Mathematik (Master of Science)	Shape optimization for interface problems using unfitted Finite Elements	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	Krylov subspace methods for saddle point problems	Lehrenfeld, Christoph
Mathematik (Master of Science)	Space-time Trefftz DG methods for parabolic PDEs	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	The Virtual Element Method for Poisson's equation in two space dimensions	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	Descent methods for optimal control problems	Lehrenfeld, Christoph
Mathematik (Master of Science)	ROBUST DISCRETIZATIONS FOR AN INDEFINITE MODEL PROBLEM ARISING FROM GALBRUN'S EQUATION	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	On a Discontinuous Galerkin discretization for a degenerate diffusion equation	Lehrenfeld, Christoph
Mathematik (Master of Science)	ON STABLE DISCONTINUOUS GALERKIN DISCRETIZATIONS FOR GALBRUN'S EQUATION	Lehrenfeld, Christoph
Mathematik (Master of Science)	EMBEDDED TREFFTZ DISCONTINUOUS GALERKIN METHOD FOR LINEAR TRANSPORT	Lehrenfeld, Christoph
Mathematik (Master of Science)	ANALYSIS OF TREFFTZ DISCONTINUOUS GALERKIN METHODS FOR LINEAR TRANSPORT	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	A Comparison of the Partition of Unity Finite Element Method and the Finite Element Method based on the Laplace Equation	Lehrenfeld, Christoph
Mathematik (Master of Science)	Statistical dependence modelling for interactions in ion channel clusters	Li, Housen
Mathematik (Master of Science)	Limits of graph cuts on finite grids	Li, Housen
Mathematik (Master of Science)	FAST COMMUNITY TESTING FOR NETWORK DATA	Li, Housen
Mathematik (Master of Science)	A Review of Projection Methods for Neural Network Training	Luke, David Russell
Mathematik (Bachelor of Science)	Aktualisierungsstrategien für Matrizen im Multisekantenverfahren	Luke, David Russell
Mathematik (Master of Science)	Quasi-Newton-Methoden für nichtglatte Funktionen	Luke, David Russell
Mathematik (2-Fächer-Bachelor)	Multisecant-Matrix-Updating-Strategies	Luke, David Russell
Mathematik (Master of Science)	Blocking strategies for large-scale split-feasibility	Luke, David Russell
Mathematik (2-Fächer-Bachelor)	Ein Vergleich von Lösungsmethoden zu dem 8-Damen und Sudoku Problem	Luke, David Russell
Mathematik (Bachelor of Science)	On the normal cones of sets of rank constrained matrices	Luke, David Russell
Mathematik (Master of Science)	Inertial Proximal Algorithms in Diffusion-based Image Compression	Luke, David Russell
Mathematik (2-Fächer-Bachelor)	Anwendung der Netzwerkoptimierung zur Bildentrauschung	Luke, David Russell
Mathematik (2-Fächer-Bachelor)	Experimentelle Mathematik und der Einsatz des Computers in der mathematischen Forschung	Luke, David Russell
Mathematik (2-Fächer-Bachelor)	Die automatische Generierung des Sudoku-Problems und die numerische Lösung durch das Douglas-Rachford-Verfahren	Luke, David Russell
Mathematik (Bachelor of Science)	Mathematical model of electromyographic signals and force functions to control protheses	Luke, David Russell
Mathematik (2-Fächer-Bachelor)	Ein Modell zur numerischen Lösung des Eternity II Problems	Luke, David Russell
Mathematik (Bachelor of Science)	Proximal-Block-Implicit-Explicit-Methode und Anwendung zur Sparsity-Optimization	Luke, David Russell
Mathematik (Master of Science)	Variational Analysis on Riemannian Manifolds	Luke, David Russell
Mathematik (Master of Science)	Variational Analysis and Control Theory with Applications to Quantum Systems	Luke, David Russell
Mathematik (Bachelor of Science)	Nonsmooth Analysis of Nonconvex Proximal Algorithms	Luke, David Russell
Mathematik (Bachelor of Science)	Conditional Value at Risk with Applications	Luke, David Russell
Mathematik (Master of Science)	Variationelle Analysis der Matrix Faktorisierung	Luke, David Russell
Mathematik (Bachelor of Science)	Projection Methods in Infinite Dimensions	Luke, David Russell
Mathematik (Bachelor of Science)	Background and Impact of John Nash's "Non-Cooperative Games"	Luke, David Russell
Mathematik (Master of Science)	Aircraft Engine Aftermarket Forecasting with Monte-Carlo Methods	Luke, David Russell
Mathematik (Master of Science)	Projektionsverfahren in Ptychographische Abbildung	Luke, David Russell

Mathematik (Master of Science)	Krümmungsnebenbedingungen bei der optimierergestützten Parametrierung physikalischer Modelle	Luke, David Russell
Mathematik (Bachelor of Science)	Mathematische Grundlagen des Quantenrechnens	Luke, David Russell
Mathematik (Master of Science)	Progressive Hedging for Optimization Under Uncertainty	Luke, David Russell
Mathematik (Master of Science)	Portfolio Optimization with Conditional Value at Risk Objective and Constraints	Luke, David Russell
Mathematik (Master of Science)	A Two-Stage Stochastic Optimisation Model for Urban Same Day Delivery with Micro Hubs	Luke, David Russell
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Mathematik (Bachelor of Science)	Singulärwertzerlegung mit hoher Genauigkeit für strukturierte Matrizen	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Deep neural ReLU networks for the approximation of continuous functions	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Rekonstruktion von Entwicklungen von Legendre-Polynomen	Plonka-Hoch, Gerlind
Mathematik (Master of Science)	Noise Removal and Signal Quality Assessment for ECG Signals	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Numerische Berechnung von Integralen stark oszillierender Funktionen	Plonka-Hoch, Gerlind
Mathematik (Master of Science)	Efficient computation of nodes and weights for Gauss quadrature	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Konstruktion von adaptiven Filtern zur Kantenerkennung in Bildern	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Schnelle Polynom-Transformation mit Toeplitz- und Hankel-Matrizen	Plonka-Hoch, Gerlind
Mathematik (Master of Science)	Entfaltungsmethoden zur Schärfung von Bildern einer Kamera	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Effiziente Rekonstruktion von unstetigen Funktionen aus Fourier-Summen	Plonka-Hoch, Gerlind
Mathematik (Master of Science)	A modified AAA algorithm for signal reconstruction	Plonka-Hoch, Gerlind
Mathematical Data Science (Bachelor of Science)	Der Lanczos Algorithmus zur Faktorisierung von Hankel Matrizen	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Methoden zur Rekonstruktion digitaler Farbbilder aus unvollständigen Bildsensor-Daten	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Untere Abschätzungen des kleinsten Singulärwertes einer Matrix	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Fehlerabschätzungen für die nichtäquidistante schnelle Fourier-Transformation	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Ist die Gauß-Quadratur besser als die Clenshaw-Curtis-Quadratur?	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Approximation multivariater Funktionen durch niedrigdimensionale Strukturen mit Hilfe von Polynombasen	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Baryzentrische rationale Interpolation	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Vollständige Operator-Vorkonditionierung zur Erhöhung der Genauigkeit bei der Lösung von Gleichungssystemen	Plonka-Hoch, Gerlind
Mathematik (Master of Science)	Robust PCA Based on the Weiszfeld Algorithm	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Deep Neural ReLU-Networks for Function Approximation	Plonka-Hoch, Gerlind
Mathematik (Master of Science)	Estimation of Signal Parameters by Iterative Rational Approximation	Plonka-Hoch, Gerlind
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Mathematik (Master of Science)	Systolische Ungleichungen projektiver Räume	Schick, Thomas
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Mathematik (Bachelor of Science)	Lösungen der Gleichungen $\langle \phi; (n) = \phi; (n + h) \rangle$ und $\langle \sigma; (n) = \sigma; (n + h) \rangle$ sowie deren Übertrag auf algebraische Ganzheitsringe	Schindler, Damaris
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Mathematik (Master of Science)	On branching processes within branching processes	Sturm, Anja
Mathematik (Bachelor of Science)	Hoppe urns and trees and applications to the infinite alleles model	Sturm, Anja
Mathematik (Master of Science)	On some monotone and additive interacting particle systems	Sturm, Anja
Mathematik (Bachelor of Science)	Estimation of branching process parameters	Sturm, Anja
Mathematik (Master of Science)	On stochastic dynamics for polymer chains	Sturm, Anja
Mathematik (Bachelor of Science)	Mixing times for population models with mutation and selection	Sturm, Anja
Mathematik (Bachelor of Science)	Applications of Markov processes in statistical mechanics	Sturm, Anja
Mathematik (Master of Science)	Most recent common ancestor in diploid models	Sturm, Anja
Mathematik (Master of Science)	Connections of the near critical Erdős-Renyi random graph to the multiplicative coalescents	Sturm, Anja
Mathematik (Master of Science)	On some dynamic random graphs with duplication and deletion	Sturm, Anja
Mathematik (Master of Science)	Schadenmeldestrategien und Bonus-Malus-Systeme in der Kfz-Versicherung	Sturm, Anja
Mathematik (Bachelor of Science)	Der anzestrale Selektionsgraph und Anwendungen	Sturm, Anja
Mathematik (Master of Science)	Local Weak Convergence of Random Graphs	Sturm, Anja
Mathematik (Bachelor of Science)	Genealogies for diploid populations with selfing	Sturm, Anja
Mathematik (Master of Science)	SDEs and SPDEs modelling (spatial) branching processes	Sturm, Anja
Mathematik (Master of Science)	GENEALOGIES IN CONTINUOUS STATE BRANCHING POPULATIONS	Sturm, Anja
Mathematik (Master of Science)	MULTI-TYPE CONTACT AND RICHARDSON MODELS	Sturm, Anja
Mathematik (2-Fächer-Bachelor)	Markovketten und deren Verbindung zu elektrischen Netzwerken	Sturm, Anja
Mathematik (Bachelor of Science)	Longest Increasing Subsequences and the Ulam-Hammersley Problem	Sturm, Anja
Mathematik (Bachelor of Science)	Functional encodings of Galton-Watson trees and random graphs	Sturm, Anja
Mathematik (Master of Science)	New Proofs for the Sharpness of the Phase Transition of the Contact Process	Sturm, Anja
Mathematik (Bachelor of Science)	Random 3-Colourings in Low Dimensions	Sturm, Anja
Mathematik (Master of Science)	Pricing Catastrophe Risk in Personal Accident Reinsurance	Sturm, Anja
Mathematik (Bachelor of Science)	Concentration Inequalities for Markov Jump Processes	Sturm, Anja
Mathematik (Bachelor of Science)	Population genetics models with speciation and Kingman's coalescent with erosion	Sturm, Anja
Mathematik (2-Fächer-Bachelor)	The Galton-Watson branching process and some of its applications to biology	Sturm, Anja
Mathematik (Bachelor of Science)	Mixing and cover times of random walks on random graphs	Sturm, Anja
Mathematik (Bachelor of Science)	Shuffling cards and the cutoff phenomenon	Sturm, Anja
Mathematik (Bachelor of Science)	Evolving sets and mixing times for Markov chains	Sturm, Anja
Mathematik (Bachelor of Science)	Markov Models for Spaced Repetition Learning	Sturm, Anja

Mathematik (Master of Science)	CONVERGENCE OF SPATIAL INHOMOGENEOUS RANDOM GRAPHS	Sturm, Anja
Mathematik (Master of Science)	Brownian local time, reflected Brownian motion and the Skorohod map	Sturm, Anja
Mathematik (Bachelor of Science)	Bézout's Theorem and an Explicit Comparison of Intersection Multiplicities	Viada, Evelina
Mathematik (Bachelor of Science)	Theorems of Nagell-Lutz and Mordell	Viada, Evelina
Mathematik (Bachelor of Science)	Applications of Hasse's Theorem to primality proving	Viada, Evelina
Mathematik (2-Fächer-Bachelor)	Über die Lösung der Pellischen Gleichung unter Verwendung der Kettenbruchentwicklung	Viada, Evelina
Mathematik (Bachelor of Science)	Elliptic Curves and some applications in Cryptography	Viada, Evelina
Mathematik (Master of Science)	THE SET OF RATIONAL POINTS OF CERTAIN FAMILIES OF CURVES	Viada, Evelina
Mathematik (Bachelor of Science)	On the Mordell-Weil and the Nagell-Lutz theorem	Viada, Evelina
Mathematik (Bachelor of Science)	Representation of integers and links to elliptic curves	Viada, Evelina
Mathematik (Bachelor of Science)	Group Cohomology: Algebraic and Topological Point of View	Vigolo, Federico
Mathematik (Master of Science)	Joint reconstruction and low-rank decomposition for dynamic computerized tomography	Wald, Anne
Mathematik (Master of Science)	Dynamic computerized tomography using inexact models and data-driven motion detection	Wald, Anne
Mathematik (Bachelor of Science)	Sinogram Processing for Nano Computed Tomography with Bayesian Reconstruction	Wald, Anne
Mathematik (Master of Science)	A Data-driven and Model-based Approach in Computerized Tomography with Comparison to Dynamic Filtered Backprojection for Known Motions	Wald, Anne
Mathematik (Master of Science)	Inverse Problems for the Retina using Tomographic Models	Wald, Anne
Mathematik (Bachelor of Science)	Multivariate Approximation mit positiv definiten Funktionen	Wald, Anne
Mathematik (2-Fächer-Bachelor)	Fouriertransformation und ihre Anwendung zur Buchstabenerkennung	Wald, Anne
Mathematik (Master of Science)	DIP-in-DARTS: A One-Shot Neural Architecture Method for Deep Image Prior Denoising	Wald, Anne
Mathematik (Master of Science)	Determination of active force densities in filament networks as an inverse problem for the Stokes equation	Wald, Anne
Mathematik (Master of Science)	Piecewise linear vector fields on simplicial surfaces	Wardetzky, Max
Mathematik (Master of Science)	Solution of the Poisson Equation on Polyhedral Surfaces by Finite Element with Quadratic Basis Function	Wardetzky, Max
Mathematik (Master of Science)	Discrete Maximum Principle of Geometric Laplacians	Wardetzky, Max
Mathematik (Bachelor of Science)	Einige Untersuchungen zum Thema "Kann man die Form einer diskreten Trommel hören?"	Wardetzky, Max
Mathematik (Bachelor of Science)	Persistenzpaarauslöschung für 3-dimensionale Daten	Wardetzky, Max
Mathematik (Bachelor of Science)	Konstruktion des Laplace-Beltrami-Operators aus Punktsamplings glatter Mannigfaltigkeiten	Wardetzky, Max
Mathematik (Master of Science)	Computation of Geodesics in Shape Space Using Modal Analysis	Wardetzky, Max
Mathematik (Bachelor of Science)	Zur Rekonstruktion der diskreten Metrik aus diskreten Laplace-Operatoren	Wardetzky, Max
Mathematik (Bachelor of Science)	Untersuchungen zu Poissonklammern in der diskreten Differentialgeometrie	Wardetzky, Max
Mathematik (Bachelor of Science)	Comparison of a geometrically and a VEM discretised Laplace operator	Wardetzky, Max
Mathematik (Bachelor of Science)	Asynchronous Variational Integrators for ODEs	Wardetzky, Max
Mathematik (Bachelor of Science)	Zur Lösung von Spielen mit perfekter Information	Wardetzky, Max
Mathematik (Master of Science)	Cheeger Inequalities	Wardetzky, Max
Mathematik (Master of Science)	Stable Formulations of Discrete Elastic Rods	Wardetzky, Max
Mathematik (Bachelor of Science)	Rigid and Flexible Polyhedra	Wardetzky, Max
Mathematik (Bachelor of Science)	Diskrete Analyse der Periodenmatrix	Wardetzky, Max
Mathematik (2-Fächer-Bachelor)	Flexible Polyeder	Wardetzky, Max
Mathematik (Bachelor of Science)	Flexible Polyeder	Wardetzky, Max
Mathematik (Bachelor of Science)	Network analysis of a large graph database of persistent identifiers	Wardetzky, Max
Mathematik (Bachelor of Science)	Algebraische Theorie von Penrose-Parkettierungen	Wardetzky, Max
Mathematik (Bachelor of Science)	Popular Matchings	Wardetzky, Max
Mathematik (Master of Science)	Discrete Conformal Mappings of Triangle Meshes	Wardetzky, Max
Mathematik (Master of Science)	On the Limit Point of Pentagon Map	Wardetzky, Max
Mathematik (Master of Science)	Discrete Exterior Calculus on Polygonal Meshes	Wardetzky, Max
Mathematik (Master of Science)	A curvature measure on smooth and discrete manifolds	Wardetzky, Max

Mathematik (Bachelor of Science)	Smooth and discrete vorticity formulation for compact surfaces	Wardetzky, Max
Mathematik (Bachelor of Science)	Die Eigenwerte des Laplace-Operators auf Mannigfaltigkeiten und Graphen	Wardetzky, Max
Mathematik (Bachelor of Science)	Escape Probability for Random Walks on Finite Integer Lattices in Two Dimensions	Wardetzky, Max
Mathematik (Bachelor of Science)	Convergence properties of discrete curvature and a numerical treatment of the discrete Willmore functional	Wardetzky, Max
Mathematik (Master of Science)	POPULAR MATCHINGS IN GRAPHS	Wardetzky, Max
Mathematik (Master of Science)	SMALL-TIME ASYMPTOTICS FOR THE HEAT KERNEL ON FINITE GRAPHS AND MANIFOLDS	Wardetzky, Max
Mathematik (Bachelor of Science)	Aspects of Discrete Morse Theory and Persistent Homology in the Context of Graphs	Wardetzky, Max
Mathematical Data Science (Bachelor of Science)	Geodäten und Bézierkurven auf Rotationsflächen	Wardetzky, Max
Mathematik (Bachelor of Science)	Efficient Itô diffusions on Riemannian manifolds	Wardetzky, Max
Mathematik (Bachelor of Science)	Färbungsprobleme von Graphen und deren Algorithmen	Wardetzky, Max
Mathematik (2-Fächer-Bachelor)	Untersuchung ausgewählter geometrischer Probleme in der affinen Ebene	Wiedmann, Stefan
Mathematik (2-Fächer-Bachelor)	Möbiustransformationen von konzentrischen Kreisen	Wiedmann, Stefan
Mathematik (Master of Science)	TOPOLOGICAL DEGREE METHODS FOR SEMILINEAR ELLIPTIC BOUNDARY PROBLEMS	Witt, Ingo Frank
Mathematik (Bachelor of Science)	Spektraltheorie abgeschlossener Operatoren	Witt, Ingo Frank
Mathematik (Master of Science)	Das Prinzip der Grenzabsorption für den Schrödingeroperator mit periodischem Potential	Witt, Ingo Frank
Mathematik (Bachelor of Science)	Schrödingeroperatoren mit periodischem Potential	Witt, Ingo Frank
Mathematik (Bachelor of Science)	Metric gradient flow for probability measures	Witt, Ingo Frank
Mathematik (Bachelor of Science)	Haag - Ruelle - Streutheorie	Witt, Ingo Frank
Mathematik (Master of Science)	Bochner Subordination and Pseudo-differential Operators	Witt, Ingo Frank
Mathematik (Master of Science)	The conformal structure of spacetimes at infinity	Witt, Ingo Frank
Mathematik (Bachelor of Science)	Zur Existenz von Einstein-Kähler-Metriken	Witt, Ingo Frank
Mathematik (Bachelor of Science)	The heat flow method for harmonic maps	Witt, Ingo Frank
Mathematik (Bachelor of Science)	The KdV equation and the Inverse Scattering Method	Witt, Ingo Frank
Mathematik (Master of Science)	Absorption of oscillations for semilinear wave equations	Witt, Ingo Frank
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Mathematik (Bachelor of Science)	Spectral Theory of Random Schrödinger Operators	Witt, Ingo Frank
Mathematik (Bachelor of Science)	A Martingale proof of a maximal inequality	Witt, Ingo Frank
Mathematik (Bachelor of Science)	Local isometric embeddings of surfaces of positive Gauss curvature into three-dimensional Euclidean space	Witt, Ingo Frank
Mathematik (Bachelor of Science)	THE RIEMANN-ROCH THEOREM	Witt, Ingo Frank
Mathematik (Master of Science)	Differential stacks and lie groupoids	Zhu, Chenchang
Mathematik (Master of Science)	Shifted Loo bialgebras	Zhu, Chenchang
Mathematik (Bachelor of Science)	A survey on Yang-Mills Theory and its higher extensions	Zhu, Chenchang
Mathematik (Master of Science)	A TQFT-Inspired Explicit Construction of Higher Groups	Zhu, Chenchang
Mathematik (Master of Science)	Integrating 2-term L_∞ -algebras	Zhu, Chenchang
Mathematik (Master of Science)	Moduli spaces of flat connections through symplectic reduction	Zhu, Chenchang
Mathematik (Master of Science)	Lie 2-groups and symplectic Lie n-groupoids	Zhu, Chenchang
Mathematik (Bachelor of Science)	L_∞ -algebras and their cohomology	Zhu, Chenchang
Mathematik (Master of Science)	Differentiable stacks over singleton Grothendieck Pretopologies	Zhu, Chenchang
Mathematik (Bachelor of Science)	Symplectic Reduction of the 3-Dimensional Chern Simons Theory	Zhu, Chenchang
Mathematik (Bachelor of Science)	Categorification via Internal Categories	Zhu, Chenchang
Mathematik (Bachelor of Science)	2 - Groups	Zhu, Chenchang
Mathematik (Bachelor of Science)	Introduction to BRST cohomology	Zhu, Chenchang
Mathematik (Bachelor of Science)	Differential Geometry	Zhu, Chenchang
Mathematik (Master of Science)	CLASSIFICATION THEORY	Zhu, Chenchang
Mathematik (Bachelor of Science)	An embedding tensor and corresponding Lie 2-algebra for the exceptional Lie group $E_{7(7)}$	Zhu, Chenchang