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

Degree Course	Title	First supervisor
Mathematik (Bachelor of Science)	The Charge operator in Wightman theory	Bahns, Dorothea
Mathematik (Bachelor of Science)	Green's function on plane boundary subsets of <gri>ℝ³</gri> via the Method of Images	Bahns, Dorothea
Mathematik (Bachelor of Science)	Blockchain - Technologien in der Automobilindustrie	Bahns, Dorothea
Mathematik (Bachelor of Science)	Sharp Lieb-Thirring inequalities in high dimensions	Bahns, Dorothea
Mathematik (Bachelor of Science)	Schwarze Löcher in höheren Dimensionen	Bahns, Dorothea
Mathematik (Bachelor of Science)	Vessiots Methode zur Analyse partieller Differentialgleichungen	Bahns, Dorothea
Mathematik (Master of Science)	Geometric Invariants of Minimal Surfaces	Bahns, Dorothea
Mathematik (Master of Science)	Von Neumann Entropy in Curved Spacetime	Bahns, Dorothea
Mathematik (2-Fächer-Bachelor)	Die Eulersche Summenformel	Brüdern, Jörg
Mathematik (Bachelor of Science)	Die Eulersche Phi-Funktion in arithmetischen Progressionen	Brüdern, Jörg
Mathematik (Bachelor of Science)	Imaginärquadratische Zahlkörper mit Klassenzahl Eins	Brüdern, Jörg
Mathematik (Bachelor of Science)	Gewichtete Varianten des Gaußschen Kreisproblems	Brüdern, Jörg
Mathematik (Bachelor of Science)	DARSTELLUNGEN DURCH TERNÄRE QUADRATISCHE FORMEN	Brüdern, Jörg
Mathematik (Bachelor of Science)	On imaginary quadratic fields with class number 1	Brüdern, Jörg
Mathematik (Bachelor of Science)	Sums of Two Squares in Arithmetic Progressions	Brüdern, Jörg
Mathematik (Master of Science)	On the asymptotic formula for Waring's Problem for cubes and biquadrates	Brüdern, Jörg
Mathematik (Master of Science)	Sum of two squares of primes	Brüdern, Jörg
Mathematik (Master of Science)	Arithmetic Statistics of Modular Symbols	Brüdern, Jörg
Mathematik (Master of Science)	LINEAR FORMS IN PRIMES ON AVERAGE	Brüdern, Jörg
Mathematik (Master of Science)	The Hyperbola Method for Logarithmic Error Savings	Brüdern, Jörg
Mathematik (Master of Science)	The Möbius Function on Arithmetic Progressions	Brüdern, Jörg
Mathematik (Master of Science)	VERY SPARSE VARIANCE FOR PRIMES IN ARITHMETIC PROGRESSION	Brüdern, Jörg
Mathematical Data Science (Bachelor of Science)	Fast and interactive style transfer with people segmentation	Ecker, Alexander
Mathematical Data Science (Bachelor of Science)	Cubist Mirror 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
Mathematik (Bachelor of Science)	Deep learning based semantic segmentation of building damage after natural disasters on satellite imagery	Ecker, Alexander
Mathematik (Master of Science)	Untersuchung von Feedback-Mechanismen im visuellen Cortex mit Deep Learning Modellen	Ecker, Alexander
Mathematik (Master of Science)	Synthetic Time Series Generation using GANs with application in Energy Economics	Ecker, Alexander
Mathematik (Master of Science)	Deep Embedding Clustering of neuronal input-output functions in visual cortex	Ecker, Alexander
Mathematik (2-Fächer-Bachelor)	Ein Gebietszerlegungsverfahren zur Vorkonditionierung der Helmholtz-Gleichung	Hohage, Thorsten
Mathematik (2-Fächer-Bachelor)	A fully data-driven combined Newton CG - iteratively regularized Gauß-Newton method	Hohage, Thorsten
Mathematik (Bachelor of Science)	Phase contrast reconstructions from intensity correlation data	Hohage, Thorsten
Mathematik (Bachelor of Science)	Convergence rate analyis of second order dynamics algorithms for linear inverse problems	Hohage, Thorsten
Mathematik (Bachelor of Science)	Optimale Versuchsplanung zur Identifikation zufälliger Quellen aus Korrelationsmessungen	Hohage, Thorsten
Mathematik (Master of Science)	ON CONVERGENCE RATES OF TIKHONOV REGULARIZATION WITH ℓ^1 - and ℓ^2 - TYPE PENALTIES	Hohage, Thorsten
Mathematik (Master of Science)	Deep Image Priors for Nonlinear Inverse Problems with Applications to Parallel MRI	Hohage, Thorsten
Mathematik (Master of Science)	DENSITY MATRIX RETRIEVAL VIA MATRIX FACTORIZATION	Hohage, Thorsten

Mathematik (Master of Science)	WELL-POSEDNESS OF GALBURN'S EQUATIONS FOR DIFFERENT BOUNDARY CONDITIONS	Hohage, Thorsten
Mathematik (Master of Science)	KRYLOV-BASED REDUCED BASIS METHODS FOR INVERSE PROBLEMS	Hohage, Thorsten
Mathematical Data Science (Bachelor of Science)	Finding Chemical Intermediates by Learning Reverse Diffusion for Annealed Langevin Dynamics	Huckemann, Stephan
Mathematik (2-Fächer-Bachelor)	Asymptotische Verteilung des Likelihood-Ratio-Tests in parametrischen Modellen und Anwendungen	Huckemann, Stephan
Mathematik (Bachelor of Science)	Towards Generating Realistic Orientation Fields of Fingerprints	Huckemann, Stephan
Mathematik (Bachelor of Science)	Finite Sample Stickiness on NPC Spaces with Isolated Singularities	Huckemann, Stephan
Mathematik (Bachelor of Science)	The Heteroscedastic Drift Model for ENDOR Data	Huckemann, Stephan
Mathematik (Master of Science)	Shape analysis of RNA backbones on microscopic and mesoscopic scales	Huckemann, Stephan
Mathematik (Master of Science)	MINCE post AGE on Manifolds	Huckemann, Stephan
Mathematik (Master of Science)	Small sample size clustering based on circular mode hunting with application to RNA structure learning	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)	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 (Master of Science)	An Intrinsic Coordinate Model for Fingerprint Ridge Lines	Huckemann, Stephan
Mathematik (Master of Science)	The long diffusion time limit of diffusion means on spheres and real projective spaces	Huckemann, Stephan
Mathematik (Master of Science)	EVALUATE AND IMPROVE A METHOD FOR THE DETECTION OF FINGERPRINT GROWTH	Huckemann, Stephan
Mathematik (Bachelor of Science)	Quantile Regression: Computation and Data Analysis	Kley, Tobias
Mathematik (Bachelor of Science)	Change Point Detection with the CUSUM Method	Kley, Tobias
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
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 (Bachelor of Science)	Natural Language Processing for Twitter Privacy	Kneib, Thomas
Mathematical Data Science (Bachelor of Science)	Numerical Foundations of the Level Set Method	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	Hodge-Theorie auf Riemannschen Mannigfaltigkeiten und auf Graphen: Ein Vergleich	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	Unifitted Nitsche's Method for Maxwell's Interface Problems in 2D	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	Krylov subspace methods for saddle point problems	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 (Bachelor of Science)	Stability analysis for a class of variational time integrators	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	On a Discontinuous Galerkin discretization for a degenerate diffusion equation	Lehrenfeld, Christoph
Mathematik (Bachelor of Science)	COMPARISON OF TWO FINITE ELEMENT METHODS FOR PROBLEMS WITH EVOLVING DOMAINS AND SMALL DIFFUSION	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)	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)	Monolithic Unfitted Space-Time FEM for an Osmotic Cell Swelling Problem	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 (Master of Science)	Pure Eulerian Unfitted FEM for Biological Fluid-Structure Interaction Problems	Lehrenfeld, Christoph
Mathematik (Master of Science)	Space-time Trefftz DG methods for parabolic PDEs	Lehrenfeld, Christoph
Mathematik (Master of Science)	ROBUST DISCRETIZATIONS FOR AN INDEFINITE MODEL PROBLEM ARISING FROM GALBRUN'S 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 (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 (2-Fächer-Bachelor)	Cyclic projections with finite precision arithmetic	Luke, David Russell
Mathematik (2-Fächer-Bachelor)	A study of the behaviour of iterative methods for linear systems with round-off error	Luke, David Russell
Mathematik (2-Fächer-Bachelor)	Fixed Point Algorithms and Finite Precision Arithmetic: a view from the theory of Markov Chains	Luke, David Russell
Mathematik (2-Fächer-Bachelor)	Measures of Convexity	Luke, David Russell
Mathematik (Bachelor of Science)	Mathematische Grundlagen des Quantenrechnens	Luke, David Russell
Mathematik (Bachelor of Science)	Computed Tomography with Random Orientation	Luke, David Russell
Mathematik (Bachelor of Science)	Kombination von Phase Diversity und Kalman Filter in der Adaptiven Optik	Luke, David Russell
Mathematik (Bachelor of Science)	The Tool of Image Segmentation	Luke, David Russell
Mathematik (Bachelor of Science)	Aspekte der DC Optimierung: Kritische Punkte, Extrema und Algorithmen	Luke, David Russell
Mathematik (Bachelor of Science)	Imagesegmentation von Graphcuts bis Total Variation	Luke, David Russell
Mathematik (Bachelor of Science)	Convex Analysis of the Monge - Kantorovich Problem	Luke, David Russell
Mathematik (Bachelor of Science)	Comparison between EPAPC and PAPC as Methods for Pointwise Quadratically Supportable Convex-Concave Saddle Point Problems	Luke, David Russell
Mathematik (Bachelor of Science)	A survey and comparison of different algorithms for Low-Rank Matrix Completion	Luke, David Russell
Mathematik (Bachelor of Science)	SUPERLINEARE KONVERGENZRATE DES QUASI-NEWTON-VERFAHRENS	Luke, David Russell
Mathematik (Bachelor of Science)	Review of Numerical Methods for Sequential Quadratically Constrained Quadratic Programming	Luke, David Russell
Mathematik (Bachelor of Science)	Classification of Fast Ice under Uncertainty	Luke, David Russell
Mathematik (Bachelor of Science)	Modern Higher-Order Methods in Optimization	Luke, David Russell
Mathematik (Master of Science)	A Review of Projection Methods for Neural Network Training	Luke, David Russell
Mathematik (Master of Science)	Aircraft Engine Aftermarket Forecasting with Monte-Carlo Methods	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
Mathematik (Master of Science)	Random Forward-Backward Algorithm in the context of Random Function Iteration	Luke, David Russell
Mathematik (Master of Science)	Entwicklung eines Wirbelleiterverfahrens basierend auf dem Geschwindigkeitspotential und harmonischen Randbedingungen im Frequenzbereich	Luke, David Russell
Mathematik (Master of Science)	Optimizing Energy Generating Portfolios: Exploring Risk Measures and a Case Study for Germany	Luke, David Russell
Mathematik (Master of Science)	Projection algorithms in binary classification	Luke, David Russell
Mathematik (Master of Science)	ANALYSIS OF POINTWISE QUADRATICALLY SUPPORTABLE FUNCTIONS	Luke, David Russell
Mathematik (Master of Science)	Optimale Schaltung von Hybridmotoren	Luke, David Russell
Mathematik (Master of Science)	Projection Algorithms for the Rank One Hankel Problem	Luke, David Russell
Mathematik (Master of Science)	Metric Subregularity of the EPAPC Algorithm	Luke, David Russell

Mathematik (Master of Science)	Proximal Block Implicit-Explicit Algorithm for Near-field Ptychography	Luke, David Russell
Mathematik (Master of Science)	CONVERGENCE OF ALGORITHMS FOR SOLVING OPERATOR INCLUSIONS UNDER GENERALIZED MONOTONICITY	Luke, David Russell
Mathematik (Master of Science)	Generalized Monotonicity and its Application in Biochemical Reaction Networks	Luke, David Russell
Mathematik (Master of Science)	Quantitative convergence analysis of the extended proximal alternating predicter - corrector algorithm	Luke, David Russell
Mathematik (Master of Science)	Source Localization with Range Differences	Luke, David Russell
Mathematik (Master of Science)	Optimierung mit Nebenbedingung in der Anwendung aktiver Schwingungskompensation mit beschränktem Stellsignal	Luke, David Russell
Mathematik (Master of Science)	Balancing Risk and Reward: An Online Optimization Strategy and Regret Bounds in Dynamic Environments	Luke, David Russell
Mathematik (Master of Science)	Entropic risk optimization with applications in finance	Luke, David Russell
Mathematik (Master of Science)	Random Function Iteration: A Stochastic Approach to Optimization	Luke, David Russell
Mathematik (Master of Science)	Classical-Quantum Hybrid Optimization: the case of the job shop schedualing problem	Luke, David Russell
Mathematik (2-Fächer-Bachelor)	Epidemienmodellierung mit Differenzengleichungen	Meyer, Ralf
Mathematik (Bachelor of Science)	Trivial Summands of "Quaternionic" Vector Bundles	Meyer, Ralf
Mathematik (Bachelor of Science)	On the K-theory and KK-theory of Cuntz-Pimsner algebras	Meyer, Ralf
Mathematik (Bachelor of Science)	Examples of Covariance Rings	Meyer, Ralf
Mathematik (Bachelor of Science)	Convolution of measures on locally compact groupoids	Meyer, Ralf
Mathematik (Bachelor of Science)	Classifying spaces over topological groupoids	Meyer, Ralf
Mathematik (Bachelor of Science)	Continuity of joint spectra	Meyer, Ralf
Mathematik (Master of Science)	GEOMETRIC CONSTRUCTION OF HAMILTONIANS	Meyer, Ralf
Mathematik (Master of Science)	Stammeier's C*-algebras for several injective group endomorphisms as C*-algebras of diagrams of étale groupoid correspondences	Meyer, Ralf
Mathematik (Master of Science)	Operator algebras for Hamiltonians with mobility gaps	Meyer, Ralf
Mathematik (Master of Science)	Leavitt path algebras as Cohn localisations and their Hochschild homology	Meyer, Ralf
Mathematik (Master of Science)	A Classification of 2-groups	Meyer, Ralf
Mathematik (Master of Science)	On Groupoid Models for Diagrams of Groupoid Correspondences	Meyer, Ralf
Mathematik (Master of Science)	Bulk indices of topological insulators from decompositions of coarse spaces	Meyer, Ralf
Mathematik (Master of Science)	Bicategories in partial actions on C*-algebras	Meyer, Ralf
Mathematik (Master of Science)	Bicategorical perspective on Steinberg algebras	Meyer, Ralf
Mathematik (Master of Science)	Towards Hochschild and Cyclic Homology of Dagger Algebras	Meyer, Ralf
Mathematik (Master of Science)	Ideal structure of Nica-Toeplitz algebras	Meyer, Ralf
Mathematical Data Science (Bachelor of Science)	Wie verhält sich multidimensionale Skalierung unter zufälligen Fehlern?	Munk, Axel
Mathematical Data Science (Bachelor of Science)	Asymptotics of Empirical Spherical Optimal Transport under Isometrical Invariance along a Fixed Axis	Munk, Axel
Mathematical Data Science (Bachelor of Science)	Protein structure determination by one-nanometer expansion microscopy (ONE) image analysis	Munk, Axel
Mathematik (Bachelor of Science)	Optimal Transport for Structural Causal Models	Munk, Axel
Mathematik (Bachelor of Science)	Computing the Wasserstein distance on graphs	Munk, Axel
Mathematik (Bachelor of Science)	Statistical Models for Dependency in Quantitative Nanoscopy	Munk, Axel
Mathematik (Bachelor of Science)	Conjectures for Empirical Transport and their numerical assessment	Munk, Axel
Mathematik (Bachelor of Science)	Provable Robustness Certification against Wasserstein Adversarial Attacks	Munk, Axel
Mathematik (Bachelor of Science)	Structure Analysis of the Microtubule Network in Cells by Means of Curvature Analysis, Optimal Transport and the Gromov-Wasserstein Distance	Munk, Axel

Mathematik (Bachelor of Science)	Fast Adaptive Searches for Change Point Inference in Exponential Families	Munk, Axel
Mathematik (Bachelor of Science)	Object Based Multi-channel Colocalization with Kantorovich-Rubinstein Barycenters	Munk, Axel
Mathematik (Bachelor of Science)	Online Changepoint Detection in Linear Models: Minimax Optimality	Munk, Axel
Mathematik (Bachelor of Science)	Properties of Transportation-Lp Distances	Munk, Axel
Mathematik (Bachelor of Science)	Estimation of Wasserstein Barycenters with Unimodal Densities	Munk, Axel
Mathematik (Master of Science)	Limit Distributions for Transport Dependency and Transport Correlations on Finite Spaces	Munk, Axel
Mathematik (Master of Science)	On the influence of morphological operators on testing for a region of interest	Munk, Axel
Mathematik (Master of Science)	Unbalanced Optimal Transport – Theory and Computations	Munk, Axel
Mathematik (Master of Science)	Weak convergence of Bayes estimators under Wasserstein loss	Munk, Axel
Mathematik (Master of Science)	Limit Distributions for Entropic Optimal Transport on Countable Discrete Spaces	Munk, Axel
Mathematik (Master of Science)	Testing Monotonicity of Regression in Sublinear Time	Munk, Axel
Mathematik (Master of Science)	Optimal Partial Matching under Structure Constraints with Application in Multicolor STED Imaging	Munk, Axel
Mathematik (Master of Science)	Change Point Estimation with Sparse Levels	Munk, Axel
Mathematik (Master of Science)	Semi-discrete optimal transport: A statistical perspective	Munk, Axel
Mathematik (Master of Science)	Measuring Statistical Dependence via Optimal Transport	Munk, Axel
Mathematik (Master of Science)	CONVERGENCE OF WASSERSTEIN BARYCENTERS UNDER UNIMODAL SHAPE CONSTRAINT	Munk, Axel
Mathematik (Master of Science)	GROMOV-WASSERSTEIN OPTIMAL TRANSPORT	Munk, Axel
Mathematik (Master of Science)	Wasserstein Barycenter for Log-Concave and for Elliptical Distributions	Munk, Axel
Mathematik (Master of Science)	Lower Complexity Adaptation for Empirical Entropic Optimal Transport	Munk, Axel
Mathematik (Master of Science)	Untersuchung von Messparametern für MinSTED-Mikroskopie mit Hilfe eines bayesianischen Ansatzes	Munk, Axel
Mathematik (Master of Science)	NEW APPROACHES TO PROTEIN STRUCTURE ALIGNMENT BASED ON (GROMOV)-WASSERSTEIN DISTANCES	Munk, Axel
Mathematik (Master of Science)	Optimal Transport Based Testing in Factorial Design	Munk, Axel
Mathematik (Master of Science)	BAYESIAN ESTIMATION OF FINITE GAUSSIAN MIXTURES THROUGH REVERSIBLE JUMP MCMC	Munk, Axel
Mathematik (2-Fächer-Bachelor)	Dimensionsreduktion und Datenfusion bei Krebsklassifizierung	Pfeffer, Max
Mathematik (Bachelor of Science)	A C++ toolbox for computations in tensor-train format	Pfeffer, Max
Mathematik (Bachelor of Science)	A Riemannian ADMM for Sparse PCA	Pfeffer, Max
Mathematik (Bachelor of Science)	FLEX: Frequency Layer Explanation and its Potential for Sleep Stage Classification on EEG Data	Pfeffer, Max
Mathematik (Bachelor of Science)	Infinite-Dimensional Riemannian Optimisation and the Pre-Shape Space	Pfeffer, Max
Mathematik (Bachelor of Science)	The Balanced k-Cut and Spectral Clustering	Pfeffer, Max
Mathematik (Master of Science)	On the equivalence of clustering and matrix factorization	Pfeffer, Max
Mathematik (Master of Science)	Neural Network Training: A Comparison of Standard and Low-Rank Approximations	Pfeffer, Max
Mathematik (Master of Science)	Support Tensor Machines	Pfeffer, Max
Mathematik (Bachelor of Science)	The Geometry of Physical Gauge Bosons and the Higgs Mechanism	Pidstrygach, Victor
Mathematik (Bachelor of Science)	The extended Kähler-de Rahm Lie superalgebra	Pidstrygach, Victor
Mathematik (Bachelor of Science)	Nilpotent orbits of cohomogeneity 4 in semisimple Lie algebras	Pidstrygach, Victor
Mathematik (Bachelor of Science)	Twistor geometry of Gibbons-Hawking spaces	Pidstrygach, Victor
Mathematik (Bachelor of Science)	Geometric aspects of the classical foundations of covariant loop quantum gravity	Pidstrygach, Victor
Mathematik (Bachelor of Science)	Duality between Tensor Categories and Affine Supergroups and its Implications for Quantum Field Theory	Pidstrygach, Victor
Mathematik (Bachelor of Science)	Nahms Equations and Hyperkähler Manifolds	Pidstrygach, Victor
Mathematik (Bachelor of Science)	Kompaktheit von Modulräumen in klassischer und verallgemeinerter Seiberg Witten Theorie	Pidstrygach, Victor
Mathematik (Bachelor of Science)	Moduli spaces of vector bundles on algebraic surfaces	Pidstrygach, Victor

Mathematik (Master of Science)	Generalised Seiberg-Witten equations: example study	Pidstrygach, Victor
Mathematik (Master of Science)	Mathematical aspects of the perturbative renormalization group flow of the nonlinear sigma model	Pidstrygach, Victor
Mathematik (Master of Science)	TWISTOR METHODS IN MORSE THEORY OF THE NAHM EQUATION	Pidstrygach, Victor
Mathematik (Master of Science)	Topologically Twisted Super Field - and Generalised Seiberg-Witten Theories	Pidstrygach, Victor
Mathematical Data Science (Bachelor of Science)	Der Lanczos Algorithmus zur Faktorisierung von Hankel Matrizen	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Die schnelle Gauss-Transformation	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Rapid approximation by modified Fourier expansions	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Verallgemeinerungen des Satzes von Gershgorin	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Ein schneller Algorithmus zur Berechnung einer optimalen Diagonalskalierung von Matrizen	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Ein Algorithmus zur stabilen Berechnung des numerischen Rangs einer Matrix	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Approximation von Besselfunktionen erster Art durch Exponentialsummen	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Ein Kreuzprodukt-Ansatz zur Niedrigrang-Approximation von großen dünn besetzten Matrizen	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Ein effizienter Algorithmus für die polare Fourier-Transformation	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Bildrekonstruktion mit Hilfe von Framelets	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Algorithmen zur periodischen Fortsetzung von Funktionen auf gleichmäßigen Gittern	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Parametrische Konturen mittels Hermiteschen Splines	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Verallgemeinerte inverse Matrizen und deren Anwendung zur Signal-Approximation	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Stable backward diffusion models for improving image contrast	Plonka-Hoch, Gerlind
Mathematik (Bachelor of Science)	Numerisch stabile Verfahren für Vandermonde-Systeme	Plonka-Hoch, Gerlind
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 (Bachelor of Science)	Numerische Berechnung von Integralen stark oszillierender Funktionen	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 (Bachelor of Science)	Effiziente Rekonstruktion von unstetigen Funktionen aus Fourier-Summen	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 (Bachelor of Science)	Deep Neural ReLU-Networks for Function Approximation	Plonka-Hoch, Gerlind
Mathematik (Master of Science)	On Expressivity of ReLU Neural Networks	Plonka-Hoch, Gerlind
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Mathematik (Master of Science)	Solving bilinear inverse problems using convolutional neural networks	Plonka-Hoch, Gerlind

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Mathematik (Master of Science)	Entfaltungsmethoden zur Schärfung von Bildern einer Kamera	Plonka-Hoch, Gerlind
Mathematik (Master of Science)	A modified AAA algorithm for signal reconstruction	Plonka-Hoch, Gerlind
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