

Kandidat- och masterarbeten i matematik presenterade under 2018

Kandidatarbeten

2018:K1 Niklas Livschitz: Class Field Theory as motivated by Kronecker-Weber.
Handledare: Wushi Goldring

2018:K2 Jonatan Rune: Braid Groups and Configuration Spaces. Handledare: Alexander Berglund

2018:K3 Adam Mällberg: Inversionsgeometri. Handledare: Torbjörn Tambour

2018:K4 Christopher Wählin: Pairing based attacks against elliptic curve cryptography.
Handledare: Jonas Bergström

2018:K5 Tomas Kilström: Area och volymeräkningar före infinitesimalkalkylen.
Handledare: Christian Gottlieb

2018:K6 Oskar Eklund: Counting points on elliptic curves - A study of Schoof's algorithm.
Handledare: Jonas Bergström

2018:K7 Anna Norrgård: Randvärden för Cauchy-integraler. Handledare: Annemarie Luger

2018:K8 Victor Rocha: Ekvidekomposabla figurer och volymsbegreppet hos Euklides.
Handledare: Torbjörn Tambour

2018:K9 Jimmy Kjellström: Projektiv Geometri. Handledare: Torbjörn Tambour

2018:K10 Emma Malmgren: Geometriska konstruktioner med passare och linjal. Handledare: Paul Vaderlind

2018:K11 Mimmi Hällberg: Att approximera oändliga serier. Handledare: Torbjörn Tambour

2018:K12 Per Nilsson: Some simple proofs related to the Univalence Axiom formalized in Dedukti. Handledare: Erik Palmgren

2018:K13 Sibel Cicek: En studie av iterationsmetoder. Handledare: Yishao Zhou

2018:K14 Sofia Cederberg: Sannolikhetslärans uppkomst - En genomgång från början fram till 1700-talets slut. Handledare: Paul Vaderlind

2018:K15 Nick Andersson: From Zero to One: A Brief Summary of the Development of Homomorphic Encryption. Handledare: Jonas Bergström

2018:K16 Axel Ljungström: Montague's Intensional Logic for Computational Semantics of Human Language.Handledare: Roussanka Loukanova

2018:K17 Richard Säldebring: The Planar Isoperimetric Theorem and Related Results.Handledare: Christian Gottlieb

2018:K18 Andreas Adamsson: Points of finite order on an elliptic curve over the rational numbers.Handledare: Wushi Goldring

2018:K19 Sebastian Grundell: Pólya's inventory.Handledare: Gregory Arone

2018:K20 Martin Nilsson: Semisimple Lie algebras and the Cartan decomposition.Handledare: Gregory Arone

2018:K21 Vinicius Rocha: Pythagorean triples and congruent numbers.Handledare: Torbjörn Tambour

2018:K22 Henrik Hansson: Modellering av omställning av odling med markovkedjor.Handledare: Yishao Zhou

2018:K23 Henrik Hackner: Matrisframställning av Rationella Funktioner.Handledare: Annemarie Luger

2018:K24 Elisabeth Bonnevier: An introduction to algebraic geometry and Bezout's theorem.Handledare: Gregory Arone

2018:K25 Ellen Selling: Lindemann-Weierstrass sats.Handledare: Rikard Bögvad

2018:K26 Amanda Hoxell: Implications of Prosocial preferences in game theory.Handledare: Rikard Bögvad

2018:K27 Fredrik Stenkvist: Graph isomorphism algorithms in nauty.Handledare: Jörgen Backelin

2018:K28 Filip Åkerman: The Logical Consistency of Categorical Set Theory.Handledare: Erik Palmgren

2018:K29 Samer Ibrahim: Analysens historia.Handledare: Paul Vaderlind

2018:K30 Johannes Dominique: Simpliciella komplex och alexanderdualitet.Handledare: Jörgen Backelin

2018:K31 Joakim Hag: Weyls Law for Quantum Graphs.Handledare: Jonathan Rohleder

2018:K32 Daniel Collin: A category-theoretic analysis of backpropagation in neural networks. Handledare: Erik Palmgren

2018:K33 Jean Rosenlind: The prime number theorem and Dirichlet's theorem on arithmetic progressions. Handledare: Salvador Rodriguez-Lopez

2018:K34 Ludwig Heldin: Flatness in Commutative Algebra. Handledare: Yishao Zhou

2018:K35 Peter Ridemalm: Kahane's Theorem on divergence of Fourier series. Handledare: Odysseas Bakas

Masterarbeten

2018:M1 Martin Odencrants: Image super resolution, an application of projection onto convex sets. Handledare: Yishao Zhou

2018:M2 Vincent Haugdahl: PT -symmetric Darboux Transformation. Handledare: Pavel Kurasov

2018:M3 Emil Jacobsen: Motives and the Tate Conjecture. Handledare: Wushi Goldring

2018:M4 Johann Selewa: The Eichler-Shimura Congruence Relation and Galois representations. Handledare: Wushi Goldring

2018:M5 Ingvar Ziemann: Model Reduction of Semistable Infinite-Dimensional Control Systems. Handledare: Yishao Zhou

2018:M6 Erik Lindell: Real Homotopy Theory of the Framed Little N-disks Operad. Handledare: Alexander Berglund

2018:M7 Jennetta George: Representation Theory of Noetherian Categories. Handledare: Gregory Arone

2018:M8 Viktor Henriksson: Topoi From Quantum Theory and Their Logic. Handledare: Peter Lumsdaine

2018:M9 Dennis Öberg: Analyzing polynomial dynamical systems using algebraic methods. Handledare: Yishao Zhou