Res. Asst. PhD TÜLAY AYYILDIZ AKOĞLU

Personal Information

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International Researcher IDs
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Education Information

Doctorate, North Carolina State University, School Of Sciences, Applied Mathematics, United States Of America 2010 - 2016

Postgraduate, Clemson University, School Of Sciences, Mathematical Sciences, United States Of America 2008 - 2010

Undergraduate, Ankara University, Fen Fakültesi, Matematik, Turkey 2001 - 2006

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Akademik Düzeyde Bilimsel Araştırma Projesi Hazırlama Eğitimi, KTÜ TTO, 2019

Dissertations

Doctorate, Certifying Solutions to Polynomial Systems over Q, North Carolina State University, School Of Sciences, Mathematics, 2016

Research Areas

Mathematics, Computer Science, Algebraic Geometry, Linear and Multilinear Algebra: Matrix Theory, Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Karadeniz Technical University, Fen Fakültesi, Matematik, 2017 - Continues

Courses

Matematiksel Hesaplama, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Certified Hermite matrices from approximate roots**
    AYYILDIZ AKOĞLU T., Szanto A.
    Journal of Symbolic Computation, vol.117, pp.101-118, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Certification of Approximate Roots of PolynomialSystems**
    AYYILDIZ AKOĞLU T., Szanto A.
    SIAM Conference on Applied Algebraic Geometry, Atlanta, United States Of America, 31 July - 04 August 2017

II. **Constructing exact Hermite matrices using approximate roots**
    AYYILDIZ AKOĞLU T.
    Joint Mathematics Meetings, Atlanta, United States Of America, 4 - 07 January 2017

III. **Certifying Solutions of Polynomial Systems**
    AYYILDIZ AKOĞLU T.
    AMS Southeastern Sectional Meeting, Athens, Greece, 5 - 06 March 2016

Metrics

Publication: 4