

## Res. Asst. PhD TLAY AYYILDIZ AKOĐLU

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-9445-2240

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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 Fakltesi, Matematik, Turkey 2001 - 2006

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Education Management and Planning, Akademik Dzeyde Bilimsel Arařtırma Projesi Hazırlama Eđitimi, KT TTO, 2019

### Dissertations

Doctorate, Certifying Solutions to Polynomial Systems over  $\mathbb{Q}$ , 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 Fakltesi, 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 Polynomial Systems**

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