

EMRE SERTÖZ

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PERSONAL INFORMATION

Born in 15 September 1989 in Ankara, Turkey

AFFILIATION

Max-Planck-Institute MiS, Leipzig 2017 - 2019
Postdoctoral Researcher

EDUCATION

Ph.D. in Mathematics	Humboldt-Universität zu Berlin, Germany	2013 - 2017
M.Sc. in Mathematics	Humboldt-Universität zu Berlin, Germany	2011 - 2013
B.Sc. in Mathematics	Bilkent University, Turkey	2007 - 2011

DISSERTATION

Title	Enumerative geometry of double spin curves	
Completion	October 2017	
Advisor	Gavril Farkas	
Co-advisor	Gerard van der Geer	
Description	Initiated the study of moduli and degeneration of multiple-spin curves, with a geometric application to the moduli of pairs of contact hyperplanes of canonical curves sharing a point of contact.	

MASTER THESIS

Title	Hurwitz numbers
Advisor	Gavril Farkas
Description	An exposition into the quasi-modular properties of the generating series of the weighted count of branched covers of curves.

SCHOLARSHIPS AND AWARDS

Research fellowship - <i>Space-Time-Matter</i>	2016
Scholarship of the International Research Training Group(IRTG) - <i>GRK 1800</i>	2013 - 2016
Scholarship of the Berlin Mathematical School (BMS) - <i>Phase I</i>	2011 - 2013
Merit Scholarship, Bilkent University - <i>Top 1% - Full Scholarship</i>	2008 - 2011
Orhan Alisbah Fellowship Award, Bilkent University	2010
<i>Awarded by the Department of Mathematics of Bilkent to the most successful undergraduate student.</i>	

PAPERS

Moduli of curves and multiple roots - *arXiv:1701.02303*

Computing images of polynomial maps - *arXiv:1801.00827*

with C. Harris, M. Michałek

Computing periods of hypersurfaces - *arXiv:1803.08068*

Certifying reality of projections - *arXiv:1804.02707*

with J. Hauenstein, A. Kulkarni, S. Sherman

Prym varieties of genus 4 curves - *in preparation*

with N. Bruin

Enumerative geometry of pairs of theta characteristics - *in preparation*

LANGUAGES

Turkish Native

English Proficient - TOEFL iBT: 117/120

German Upper Intermediate - CEF: B2 Level

COMPUTER SKILLS

CAS Magma, Macaulay2, Mathematica, Maple, SageMath, MATLAB

OS Linux, MacOS, Windows

Other L^AT_EX, Java, Shell script, Vim