

SELECTED APPLIED ALGEBRAIC GEOMETRY PAPERS

TUESDAY, AUGUST 30, 2016

- (1) Bos, Joppe W.; Costello, Craig; Hisil, Huseyin; Lauter, Kristin
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J. Cryptology 29 (2016), no. 1, 28-60.
- (2) Tran, Ngoc Mai; Yu, Josephine
Product-mix auctions and tropical geometry
arXiv:1505.05737
- (3) Miller, Ezra
Fruit flies and moduli: interactions between biology and mathematics.
Notices Amer. Math. Soc. 62 (2015), no. 10, 1178-1184
- (4) Conca, Aldo; Edidin, Dan; Hering, Milena; Vinzant, Cynthia
An algebraic characterization of injectivity in phase retrieval.
Appl. Comput. Harmon. Anal. 38 (2015), no. 2, 346-356
- (5) Bresler, Guy; Cartwright, Dustin; Tse, David
Feasibility of interference alignment for the MIMO interference channel.
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- (6) Huh, June
Varieties with maximum likelihood degree one.
Journal of Algebraic Statistics 5 (2014), 1-17.
- (7) Lehavi, David *Vanishing component analysis*
Best paper prize at the International Conference on Machine Learning (ICML 2013) in Atlanta
<http://jmlr.csail.mit.edu/proceedings/papers/v28/livni13.pdf>
- (8) Curto, Carina; Itskov, Vladimir; Veliz-Cuba, Alan; Youngs, Nora
The neural ring: an algebraic tool for analyzing the intrinsic structure of neural codes. Bull. Math. Biol. 75 (2013), no. 9, 1571-1611.
- (9) Uhler, Caroline
Geometry of maximum likelihood estimation in Gaussian graphical models.
Annals of Statistics 40 (2012), no. 1, 238-261.
- (10) Kukulova, Zuzana; Bujnak, Martin; Pajdla, Tomas
Polynomial eigenvalue solutions to minimal problems in computer vision.
IEEE transactions on pattern analysis and machine intelligence 34 (2012) 1381-1393.
- (11) Feliu, Elisenda; Wiuf, Carsten
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- (12) Hao, Wenrui; Hauenstein, Jonathan D.; Hu, Bei; Sommese, Andrew J.
A three-dimensional steady-state tumor system.
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- (13) Zwiernik, Piotr
An asymptotic behaviour of the marginal likelihood for general Markov models.
J. Mach. Learn. Res. 12 (2011), 32833310.
- (14) Gouveia, Joo; Parrilo, Pablo A.; Thomas, Rekha R.
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- (15) Datta, Ruchira S.
Finding all Nash equilibria of a finite game using polynomial algebra.
Econom. Theory 42 (2010), no. 1, 55-96.
- (16) Veliz-Cuba, Alan; Jarrah, Abdul Salam; Laubenbacher, Reinhard
Polynomial algebra of discrete models in systems biology.
Bioinformatics (2010) 26 (13), 1637-1643.
- (17) Anjos, Miguel F.; Vannelli, Anthony
Computing Globally Optimal Solutions for Single-Row Layout Problems Using Semidefinite Programming and Cutting Planes.
INFORMS Journal on Computing, Volume 20 (2008), Issue 4, 611-617.
- (18) Allman, Elizabeth S.; Rhodes, John A.
Molecular phylogenetics from an algebraic viewpoint.
Statist. Sinica 17 (2007), no. 4, 1299-1316.
- (19) Parrilo, Pablo A.
Semidefinite programming relaxations for semialgebraic problems.
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- (20) Settimi, Raffaella; Smith, Jim Q.
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- (21) Guruswami, Venkatesan; Sudan, Madhu
Improved decoding of Reed-Solomon and algebraic-geometry codes.
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- (22) Deconinck, Bernard; Segur, Harvey
The KP equation with quasiperiodic initial data.
Nonlinear waves and solitons in physical systems (Los Alamos, NM, 1997).
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