Faculty Publications

2023


2022


2021


2020

New edge asymptotics of skew Young diagrams via free boundaries Sém. Lothar. Combin. 82B (2020), Art. 34, 11 pp
(2020) – Betea, Dan ; Bouthier, Jérémie ; Nejjar, Peter ; Vuletic, Mirjana


2019


Torsion contact forms in three dimensions have two or infinitely many Reeb orbits Geom. Topol. 23 (2019), no. 7, 3601–3645 (2019) – Cristofaro-Gardiner, Dan ; Hutchings, Michael ; Pomerleano, Daniel doi: 10.2140/gt.2019.23.3601


2018


The free boundary Schur process and applications Svi®m. Lothar. Combin. 78B (2017), Art. 44, 12 pp (2017) -- Betea, Dan ; Bouttier, Jérémie ; Nejjar, Peter ; **Vuletic**, Mirjana


Corrigendum to Equivariant string and leading order characteristic classes associated to fibrations. J. Geom. Phys. 98 (2015), 607 (2015) – Larrain-Hubach, Andrés ; Maeda, Yoshiaki ; Rosenberg, Steven ; Torres-Ardila, Fabián doi: 10.1016/j.geomphys.2015.08.003


2013 (continued)  

**Distribution of missing sums in sumsets**  
doi: 10.1080/10586458.2013.743304

**Global matrix factorizations**  
doi: 10.4310/MRL.2013.v20.n1.a9

**Confidence bands for Horvitz-Thompson estimators using sampled noisy functional data**  
doi: 10.3150/12-BEJ443

**The Gaussian free field and strict plane partitions**  

**Attack robustness and centrality of complex networks**  
doi: 10.1371/journal.pone.0059613

**Spatial heterogeneity promotes coexistence of rock-paper-scissors metacommunities**  
doi: 10.1016/j.tpb.2013.02.004

**Competitively coupled maps and spatial pattern formation**  
doi: 10.1103/PhysRevE.87.022902

**Cohomology of GKM fiber bundles**  
doi: 10.1007/s10801-011-0292-6

**Seidel elements and mirror transformations**  
doi: 10.1007/s00029-011-0080-0

**The admissibility theorem for the spatial X-ray transform over the two-element field**  

**Deconvolution for the Pompeiu problem on the Heisenberg group, I**  

**Pfaffian quartic surfaces and representations of Clifford algebras**  

**A combinatorial proof of a recursive formula for multipartitions**  

**Generalized more sums than differences sets**  

**Curved string topology and tangential Fukaya categories**  
doi: 10.1090/pspum/085/1395


2009


2008


2006 (continued)  

2005  


2004  


2003  


2003 (continued)


2002


2001


2000


1999  
**Equivariant de Rham theory and graphs**  


**Convolutions, transforms, and convex bodies**  

\`{R}aise the stakes\`{e} evolves into a defector  

**Variable investment, the Continuous Prisoner's Dilemma, and the origin of cooperation**  

**Evolution of cooperation in spatially structured populations**  

1998  
**A characterization of bi-invariant Riemannian metrics on Lie groups**  

**Nilpotent orbits and theta-stable parabolic subalgebras**  

**Self-organized criticality in spatial evolutionary game theory**  

1997  
**Classification of nilpotent orbits in symmetric spaces**  

1996  
**Why do quaternionic spaces lack complex structures?**  

1995  
**On a theorem of D. Mu\v{c}ller**  

1994  
**Integration over minimal spheres in Lie groups and symmetric spaces of compact type**  

**That kappa operator: Gel'fand-Graev-Shapiro inversion and Radon transforms on isotropic planes**  

1992  
**Aspects of flat Radon transforms**  


Chern-Simons theory for compact nonsemisimple Lie groups Classical Quantum Gravity 7 (1990), no. 12, 2179–2193 (1990) – Killingback, T. P.


1987 (continued)  


1986  

1985  


1984  

1983  