

OMER BOBROWSKI – LIST OF PUBLICATIONS

The Topology of Probability Distributions on Manifolds

O. Bobrowski and S. Mukherjee
Submitted. arXiv: 1307.1123, 2013

Crackle: The Persistent Homology of Noise

R.J. Adler, O. Bobrowski and S. Weinberger
Submitted. arXiv: 1301:1466, 2013

Distance Functions, Critical Points and Topology for Some Random Complexes

O. Bobrowski and R. J. Adler
Submitted. arXiv: 1107:4475, 2011

Euler Integration of Gaussian Random Fields and Persistent Homology

O. Bobrowski and M.S. Borman
Journal of Topology and Analysis, 4(1), 2012

Persistent Homology for Random Fields and Complexes

R.J. Adler, O. Bobrowski, M.S. Borman, E. Subag and S. Weinberger
Borrowing Strength: Theory Powering Applications, A festschrift for Lawrence D. Brown. IMS Collections
Vol. 6, 2010

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O. Bobrowski, R. Meir and Y.C. Eldar
Neural Computation 21(5), 2009

A Neural Network Implementing Optimal State Estimation Based on Dynamic Spike Train Decoding

O. Bobrowski, R. Meir, S. Shoham and Y.C. Eldar.
Neural Information Processing Systems (NIPS), 2007