

———— Publication List • Ben Whitney ————

Mark Ainsworth, Ozan Tugluk, Ben Whitney, and Scott Klasky. *Multilevel Techniques for Compression and Reduction of Scientific Data—The Unstructured Case*. **In preparation**. 2018-12.

Mark Ainsworth, Ozan Tugluk, Ben Whitney, and Scott Klasky. *Multilevel Techniques for Compression and Reduction of Scientific Data—The Univariate Case*. **Computing and Visualization in Science**. DOI: 10.1007/s00791-018-00303-9. 2018-11.

Jong Choi *et al.* *Coupling Exascale Multiphysics Applications: Methods and Lessons Learned*. **2018 IEEE 14th International Conference on e-Science (e-Science)**. 2018-10.

Mark Ainsworth, Ozan Tugluk, Ben Whitney, and Scott Klasky. *Multilevel Techniques for Compression and Reduction of Scientific Data—Quantitative Control of Accuracy in Derived Quantities*. **Submitted**. 2018-08.

Jed Chou *et al.* *Diagonal Splittings of Toric Varieties and Unimodularity*. **Proceedings of the American Mathematical Society** 146 (5), pp. 1911–1920. DOI: 10.1090/proc/13902. 2018-05.

Ben Whitney. *Multilevel Techniques for Compression and Reduction of Scientific Data*. Brown University PhD thesis. URL: <https://repository.library.brown.edu/studio/item/bdr:792867/>. 2018-05.

Mark Ainsworth, Ozan Tugluk, Ben Whitney, and Scott Klasky. *Multilevel Techniques for Compression and Reduction of Scientific Data—The Multivariate Case*. **Submitted**. 2018-01.

Mark Ainsworth, Scott Klasky, and Ben Whitney. *Compression Using Lossless Decimation: Analysis and Application*. **SIAM Journal on Scientific Computing** 39 (4), B732–B757. DOI: 10.1137/16M1086248. 2017-08.

Scott Klasky *et al.* *Exacution: Enhancing Scientific Data Management for Exascale*. **2017 IEEE 37th International Conference on Distributed Computing Systems (ICDCS)**, pp. 1927–1937. DOI: 10.1109/ICDCS.2017.256. 2017-07.