

List of publications

Chris Malone

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1 Refereed Publications

- *Low Mach Number Modeling of Convection in Helium Shells on Sub-Chandrasekhar White Dwarfs. I. Methodology*, M. Zingale, A. Nonaka, A. S. Almgren, J. B. Bell, C. M. Malone, R. J. Orvedahl, 2013, ApJ, **764**, 1, 97, doi: [10.1088/0004-637X/764/1/97](https://doi.org/10.1088/0004-637X/764/1/97)
- *Investigation of Turbulence in the Early Stages of a High Resolution Supernova Simulation*, R. Sisneros, C. Malone, S. Woosley, A. Nonaka, Supercomputing 2012, Visualization showcase. *submission paper peer reveiwed*
- *The Convective Phase Preceding Type Ia Supernovae*, M. Zingale, A. Nonaka, A. S. Almgren, J. B. Bell, C. M. Malone, S. E. Woosley, 2011, ApJ, **740**, 8, doi: [10.1088/0004-637X/740/1/8](https://doi.org/10.1088/0004-637X/740/1/8)
- *Multidimensional Modeling of Type I X-ray Bursts. I. Two-Dimensional Convection Prior to the Outburst*, C. M. Malone, A. Nonaka, A. S. Almgren, J. B. Bell, M. Zingale, 2011, ApJ, **728**, 118, doi: [10.1088/0004-637X/728/2/118](https://doi.org/10.1088/0004-637X/728/2/118)
- *MAESTRO: An Adaptive Low Mach Number Hydrodynamics Algorithm for Stellar Flows*, A. Nonaka, A. S. Almgren, J. B. Bell, M. J. Lijewski, C. M. Malone, M. Zingale, 2010, ApJS, **188**, 353, doi: [10.1088/0067-0049/188/2/358](https://doi.org/10.1088/0067-0049/188/2/358)

- *Astrophysical Applications of the MAESTRO Code*, M. Zingale, A. S. Almgren, J. B. Bell, C. M. Malone, A. Nonaka, 2008, Proceedings of SciDAC 2008, Journal of Physics: Conference Series, **125**, 012013, doi: [10.1088/1742-6596/125/1/012013](https://doi.org/10.1088/1742-6596/125/1/012013)