Evan H. Anders

Biographical Sketch

Department of Astrophysical and Planetary Sciences
University of Colorado, Boulder
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Citizenship

Evan H. Anders is a citizen of the United States of America.

Professional Preparation

Whitworth University	Physics	BS May 2014
University of Colorado, Boulder	Astrophysics	MS December 2017
University of Colorado, Boulder	Astrophysics	PhD Expected May 2020

Appointments

NASA NESSF/FINESST Fellow	University of Colorado, Boulder	Sept 2018 –
George Ellery Hale Fellow	University of Colorado, Boulder	Sept 2015 – Aug 2018

Products

- **Anders**, E. H., Lecoanet, D., & Brown, B. P., "Entropy Rain: Dilution and Compression of Thermals in Stratified Domains", 2019, Accepted for publication in *The Astrophysical Journal*
- **Anders**, E. H., Manduca, C. M., Brown, B. P., Oishi, J. S., & Vasil, G. M., "Predicting the Rossby Number in Convective experiments", 2019, *The Astrophysical Journal* 872, 2.
- **Anders**, E. H., Brown, B. P., & Oishi, J. S., "Accelerated evolution of convective simulations", 2018, *Physical Review Fluids* 3, 8:083502.
- **Anders**, E. H. & Brown, B. P., "Convective heat transport in stratified atmospheres at low and high Mach number", 2018, *Physical Review Fluids* 2, 8:083501.

Synergistic activities

- Anders has designed, tested, and made public a method of simulating state-of-the-art convection simulations which requires an order of magnitude fewer computational hours than traditional methods.
- Anders has served multiple years each on CU Boulder's graduate admissions committee, graduate exams committee, and faculty search committees; he has led the development and use of rubrics in the graduate admissions process in his department which ensure more equitable evaluation of applicants.
- Anders spent three years serving as an administrator of the CU-Boulder Science, Technology, and Astronomy RecruitS (CU-STARS) program, with duties including coordinating outreach trips to high schools, mentoring undergraduates, and designing hands-on activities in exoplanetary science, black holes, and atmospheric dynamics.
- Anders has helped mentor two undergraduate students in year-long projects; one of these projects eventually resulted in a publication (Anders, Manduca et al. 2019).