

Curriculum Vitae

Andreas J. Albrecht

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Honors

Fellow of the **American Academy of Arts and Sciences**
Fellow of the **American Association for the Advancement of Science**
Fellow of the **American Physical Society**
Fellow of the **Institute of Physics (UK)**
Herbert A Young Society Dean's Fellow 2013-16

Appointments

1. **UC Davis**, Davis CA; Director of the Center for Quantum Mathematics and Physics (QMAP) 2017- Present
2. **UC Davis**, Davis, CA; Distinguished Professor 7/14 – Present
3. **UC Davis**, Davis, CA; Physics Department Chair 9/11 – 6/16
4. **UC Davis**, Davis, CA; Professor 7/98 – 6/14
5. **Imperial College**, London England; Professor 7/98-12/98, Reader 10/95 - 8/98, Lecturer 8/92 - 9/95.
6. **Fermilab**, Batavia, IL; Associate Scientist 2/87 - 8/92
7. **Los Alamos National Lab**, Los Alamos, NM; Post Doctoral Research Fellow 9/85 - 2/87. (Advisor: Wojciech Zurek)
8. **University of Texas**, Austin, TX; Post Doctoral Research Fellow 9/83 - 9/85 (Advisor: Steve Weinberg)

Higher Education

1. **University of Pennsylvania**, Philadelphia, PA; Ph.D. May 1983 (Thesis title: "A New Inflationary Cosmology". Thesis advisor: Paul Steinhardt)
2. **Cornell University**, Ithaca, NY; BA May 1979 (Cum Laude in Physics, undergraduate research advisor: Bob Richardson)

Selected publications

1. A. Albrecht and P. Steinhardt, *Cosmology for Grand Unified Theories with Radiatively Induced Symmetry Breaking* [Phys. Rev. Lett. **48**, 1220 \(1982\)](#).
2. A. Albrecht and N. Turok, *Evolution of Cosmic Strings* [Phys. Rev. Lett. **54**, 1868 \(1985\)](#)
3. A. Albrecht, D. Coulson, P. Ferreira, and J. Magueijo, *Causality, randomness, and the microwave background* [Phys. Rev. Lett. **76** 1413 \(1996\)](#). [astro-ph/9505030](#)
4. A. Albrecht, *Cosmic Inflation and the Arrow of Time*, in "Science and Ultimate Reality: Quantum Theory, Cosmology and Complexity", honoring John Wheeler's 90th birthday. J. D. Barrow, P.C.W. Davies, & C.L. Harper eds. Cambridge University Press (2004) [astro-ph/0210527](#)
5. A. Albrecht and L. Sorbo *Can the universe afford inflation?* [hep-th/0405270](#) [Phys. Rev. D**70** \(2004\) 063528](#)
6. A. Albrecht *et al.* *Report of the Dark Energy Task Force* [arXiv:astro-ph/0609591](#) (2006)
7. A. Albrecht and A. Iglesias *The clock ambiguity and the emergence of physical laws* [arXiv:0708.2743](#) [Phys. Rev. D **77**, 063506 \(2008\)](#).
8. M. Barnard, A. Abrahamse, A. Albrecht B. Bozek, M. Yashar *A measure of the impact of future dark energy experiments based on discriminating power among quintessence models* [arXiv:0804.0413](#) [Phys.Rev.D**78**:043528](#) (2008)
9. A. Albrecht *Cosmic Curvature from de Sitter equilibrium cosmology* [arXiv:1104.3315](#) [Phys.Rev.Lett. 107 \(2011\) 151102](#)
10. A. Albrecht and D. Phillips *Origin of probabilities and their application to the multiverse.* [arXiv:1212.0953](#) [Phys.Rev. D**90** \(2014\) 12, 123514](#)