

Curriculum Vitae

Andreas J. Albrecht

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Updated 11/2/2020

Honors

Professional Societies

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)

Other honors

Herbert A Young Society Dean's Fellow 2013-16
Cornell University Class of 1979 Distinguished Alum

Appointments

1. **UC Davis**, Davis CA; Inaugural 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. D70 \(2004\) 063528](#)
6. A. Albrecht *et al.* *Report of the Dark Energy Task Force* [arXiv:astro-ph/0609591](#) (2006)
7. 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.D78:043528](#) (2008)
8. A. Albrecht *Cosmic Curvature from de Sitter equilibrium cosmology* [arXiv:1104.3315](#) [Phys.Rev.Lett. 107 \(2011\) 151102](#)
9. A. Albrecht and D. Phillips *Origin of probabilities and their application to the multiverse.* [arXiv:1212.0953](#) [Phys.Rev. D90 \(2014\) 12, 123514](#)
10. N. Bolis, A. Albrecht and Rich Holman *Modifications to Cosmological Power Spectra from Scalar-Tensor Entanglement and their Observational Consequences* [arXiv:1605.01008](#), [JCAP 1612 \(2016\) 011](#)

