

William Klein: Boston University

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Personal

Born, April 1, 1943, Philadelphia, Pa. ; married, two children.

EDUCATION

Ph.D. Temple University 1972, Physics
B.A. Temple University 1965, Physics

POSITIONS

Professor of Physics, Boston University, Sept. 1984-
Professor, College of Engineering, Boston University, January 1992 -
Visiting Scientist, Institute for Theoretical Physics, University of California at Santa Barbara,
September, 1997 - January 1998
External Researcher, Santa Fe Institute, January, 1996-
Visiting Scientist, Lawrence Livermore Laboratory, Sept. 1, 1990 - July 1993
Visiting Scientist, Oersted Institute, Copenhagen, July 1, 1992- Dec. 31, 1992
Visiting Professor, McGill University, January 1, 1987-December 31, 1989
Visiting Scientist, IBM Bergen Scientific Center, July 1988
Visiting Scientist, University of Konstanz, August 1985
Visiting Scientist, University of Mainz, July 1985
Visiting Scientist, SUNY Stony Brook, August 1984
Visiting Scientist, St. Francis Xavier University, Nova Scotia, July 1984
Visiting Scientist, Harvard University, Sept. 1983-June 1984
Associate Professor of Physics, Boston University, Sept. 1981-Sept. 1984
Visiting Scientist, IBM Zurich, August 1983
Visiting Scientist, Kernforschungsanlage, Jülich, Germany, July 1983
Visiting Scientist, Kernforschungsanlage, Jülich, Germany, May 1982
Assistant Professor of Physics, Boston University, Jan. 1977-Sept. 1981
Visiting Scientist, Kernforschungsanlage, Jülich, Germany, May 1981
Research Associate, Boston University, Sept. 1976-Jan. 1977
Research Scientist, Institut für Theoretische Physik, Universität zu Köln, Sept. 1974-Sept. 1976
PostDoctoral Fellow, Mathematics Department, MIT, Sept. 1973-Sept. 1974
PostDoctoral Fellow, National Bureau of Standards, June 1972-Sept. 1973

Additional Positions

Consultant, Digital Equipment Corporation, 1984-1985
Consultant, Schlumberger-Doll, 1983-1985
Consultant, Lawrence Livermore National Laboratory, 1992-1993

PUBLICATIONS

[1] J. Yang, H. Gould, W. Klein and R. Mountain, "Dynamics Study of Supercooled Liquids" *J. Chem. Phys.*, **93**, 711 (1990)

- [2] L. Monette and W. Klein, "Spinodal Nucleation as a Coalescence Process" *Phys. Rev. Lett.*, **68**, 2336 (1992)
- [3] N. Gross, W. Klein and K. Ludwig, "Structure and the Failure of the Linear Theory of Continuous Ordering" *Phys. Rev. Lett.*, **73**, 2639 (1994)
- [4] A. Mel'cuk, R. Ramos, H. Gould, W. Klein and R. Mountain, "Long Lived Structures in Fragile Glasses" *Phys. Rev. Lett.*, **75**, 2552 (1995)
- [5] G. Johnson, A. Mel'cuk, H. Gould, W. Klein and R. Mountain, "Molecular Dynamics Study of Long Lived Structures in a Fragile Glass Forming Liquid" *Phys. Rev. E* **57**, 5707 (1998)
- [6] J. Rundle and W. Klein, "Scaling and Critical Phenomena in a Class of Burridge-Knopoff Models for Earthquakes" *J. Stat. Phys.*, **72** 405 (1993)
- [7] J. B. Rundle and W. Klein, "Dynamical Segmentation and Rupture Patterns in a 'Toy' Slider Block Model for Earthquakes" *Non-Linear Proc. in Geophys.* **2**, 61 (1995)
- [8] W. Klein, J. B. Rundle and C. D. Ferguson, "Critical Phenomena and Metastability in Models of Earthquake Faults" *Phys. Rev. Lett.* **78**, 3793 (1997)
- [9] J. B. Rundle, E. Preston, S. McGinnis and W. Klein, "Why Earthquakes Stop: Growth and Arrest in Stochastic Fields" *Phys. Rev. Lett.*, **80**, 5698 (1998)
- [10] C. F. Ferguson, W. Klein and J. R. Rundle "Spinodals, Scaling and Ergodicity in a Model of an Earthquake Fault with Long-Range Stress Transfer" *Phys. Rev. E*, **60**, 1374 (1999)