

Curriculum Vitae

Jian Dai

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Research Experience:

- 2/06-8/07: Research associate. Department of Physics, The City College of New York; working with V. P. Nair, A. Polychronakos and D. Karabali on the nonabelian hydrodynamics and the application in quark gluon plasma and RHIC physics.
- 2/03-1/06: Research associate. Physics Department, University of Utah; working with Y-S. Wu and K. Becker on string theory and supersymmetric gauge theory, with M. Raikh on many-body effect of quantum well.
- 3/02-1/03: Visiting scholars in the Institute of Theoretical Physics, Chinese Academy of Sciences; Universita' di Salerno; the Abdus Salam International Center for Theoretical Physics (ICTP).

Teaching Experience:

- 1/05-5/05: Instructor, Physics Department, University of Utah: "Introduction of Nuclear and Particle Physics" (undergrad).
- TA at Physics Department, University of Utah. 8/05-12/05: "Introduction to Quantum Mechanics" (undergrad); 8/03-12/04: "quantum theory" (grad), "classical mechanics and quantum mechanics" (undergrad), "classical electrodynamics" (undergrad).
- 2/98-7/98: TA, School of Physics, Peking University: "theoretical mechanics"(undergrad).

Membership and Awards:

1. Associate Member of the Michigan Center for Theoretical Physics (since 2004).
2. National Excellent Dissertation of Doctorate (China, 2004).
3. Eugene P. Wigner Scholarship (2001).
4. "Second Chen-Guan Cup", excellent academic paper of young scholar, Chinese Physical Society (2001).

Referee and Reviewer:

- Referee of Physical Review D (since 2006).
- Reviewer for Mathematical Reviews (since 2007).

Computation:

- C, C++, MATLAB and Mathematica.

Education:

- PhD, School of Physics, Peking University, thesis "Discrete Noncommutative Differential Geometry and Field Theories Constructed upon It", supervisor: Prof. Xing-Chang Song (9/97-1/02);
- B.Sc., School of Physics, Peking University (9/92-8/97);
- "Undergraduate Honor Science Programs", Peking University (9/93-7/96).