

Jonathan S Landy

CONTACT INFORMATION

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RESEARCH INTERESTS

Condensed matter and biophysics

EDUCATION

University of California, Los Angeles, Los Angeles, CA

Ph.D. Research Scholar - Physics (expected graduation date: June 2011)

- Thesis Topic: Aspects of polyelectrolyte physics
- Advisor: Professor Joseph Rudnick

California Institute of Technology, Pasadena, CA

B.S. with honors - Physics (GPA 3.7)

- Graduation date: June 2006

HONORS AND AWARDS

UC Graduate Research Mentorship Fellowship, awarded by UC, 2008-2009

Delsasso Fellowship, awarded by UCLA Department of Physics and Astronomy, 2006-2007

Hayman Scholarship, awarded by Caltech, 2007

Winner of Indiana College Mathematics Competition (one of three members on IUPUI team), 2002

PUBLICATIONS

- Sisan, D, Landy, J., Levine, A. J., and Urbach, J. S. Density mode microrheology in polymer gels. In prep (2009)
- Landy, J. Modulation effects within electrolyte solutions. In prep (2009)
- Landy, J. and Rudnick, J. Electrostatic interactions between discrete helices of charge. In prep (2009)
- May, R. and Landy, J. Some problems with generating function solutions. *FJMS* **30**(2008), 227-232
- Landy, J. and Sari, R. Centred approach to the period of anharmonic oscillators. *Eur. J. Phys.* **28**(2007) 1051-1061.
- Landy, J. Localized PEP-II Storage Ring Optics Measurements. SLAC-PUB SLAC-TN-05-055, April (2005)

PROFESSIONAL EXPERIENCE

University of California, Los Angeles, Los Angeles, CA

Teaching Assistant, 2006-present

Undergraduate Courses: Classical Mechanics (6a lab, 4a lab, and 105 discussion), Electricity and Magnetism (1c discussion and 6c lab), Math Methods (135 discussion - Pilot graduate/undergraduate mentorship program 2009-2010)

Stanford Linear Accelerator Center, Stanford, CA

Research Assistant, Summer 2005

Work with Professor Yiton Yan determined the number of beam position monitors required to completely specify the oscillation parameters of a beam packet orbiting through an accelerator storage ring.

Roche Diagnostics, Indianapolis, IN

Intern, Summers of 2002, 2003

Worked on the development of models for the chemical reaction which occurs during the sampling period of a blood glucose level measurement.

REFERENCES

Joseph Rudnick - Professor of Physics and Dean of Sciences - UCLA

Alex Levine - Professor of Physical Chemistry - UCLA

Re'em Sari - Professor of Astrophysics - Racah Institute (Israel)