

Undergraduate Research in Optics and Engineering at the University of Rochester (REU)

Conference Presentations by REU Undergraduates and Undergraduates supervised by Institute of Optics Faculty since 1994 (UNDER CONSTRUCTION)

Presentations and Abstracts at National Conferences 1994

1. Striations in the Positive Column of Glow Discharges, Mark Su, and Brian Taylor (N. P. Bigelow). Presented at 8th NCUR Conference, Western Michigan Univ. Kalamazoo MI (1994)

Presentations and Abstracts at RSPS 1994

1. Optical Feedback in an External Cavity Diode Laser System Dan Jeannotte, Jeffry Korn, N. Bigelow, Presented at RSPS Conference April, 1994.

Presentations and Abstracts in National Conferences 1995

Presentations and Abstracts at RSPS 1995

1. Chaotic Dynamics of a Periodically Driven Pendulum, M. Su, J. Windsor, N. Bigelow, Presented at RSPS Conference April, 1995.
2. How a Photoreceptor Converts a Photon into a Neural Signal, R. Doyle, T. Foster, Presented at RSPS Conference April, 1995.

Presentations and Abstracts in National Conferences 1996

1. Dynamic Confinement Ultra -Cold Atoms: Demonstration of RODiO Trap (Rotating Off-resonant Dipole Optical Trap). P. Rudy, R. Eijnisman, A. Rahman, S. Lee, N. P. Bigelow. Abstract in Proceedings of the 12th Interdisciplinary Laser Science Conference, Rochester, NY, 1996.
2. The Atom Valve, S.H.Lee (N. Bigelow), Proc. of the 10th NCUR. Conference, Univ. of North Carolina (1996), pp.1328-1332.

Presentations and Abstracts at RSPS 1996

1. The Atom Valve, S. H. Lee (N. Bigelow), Rochester Symposium for Physics Students, Rochester, NY, 1996.
2. Adiabatic Population Inversion in a Three-Level Atom, J. Ruffo (J. Eberly), Rochester Symposium for Physics Students, Rochester, NY, 1996.

Presentations and Abstracts at National Conferences 1997

Presentations and Abstracts at RSPS 1997

1. Emek Yesilada, "Three state eigenvalues and narrow-line laser absorption" (with Joseph Eberly). Presented at the Rochester Symposium for Physics Students in May, 1997.

Presentations and Abstracts at National Conferences 1998

1. Philip Janiseiwicz "Random walks in laser cooling" (with Nicholas Bigelow). Presented at NCUR 98, Salisbury, Maryland

Presentations and Abstracts at National Conferences 1999

Presentations and Abstracts at National Conferences 2000

Presentations and Abstracts at National Conferences 2001

1. Ultrashort Soliton Pulses from a Passively Mode-Locked Fiber Laser, Greg Schmidt University of Rochester Conference on Undergraduate Research & Creativity April 26-27, 2001 (Govind Agrawal, advisor)
2. Energy States and Error Bounding for an Initial Gaussian Wavefunction in the 1-D Infinite Square Well, David Etlinger, University of Rochester Conference on Undergraduate Research & Creativity April 26-27, 2001 (Joseph Eberly, Advisor)

Presentations at RSPS 2001

1. David Etlinger, Energy States and Error Bounding for an Initial Gaussian Wavefunction in the 1-D Infinite Square Well (Prof. Joseph Eberly, advisor)

Presentations and Abstracts at National/International Conferences 2002

Presentations at RSPS/ASNY 2002 conference (Jointly run with NY ASNY Conference in 2002)

1. Spin Precession in a Two-Level System David Etlinger, (Prof. J. Eberly) RSPS

