

**REU Site: Undergraduate Research Experience in Experimental Condensed
Matter Physics and Atomic/Molecular/Optical Physics
J.L. Erskine, The University of Texas at Austin, DMR-0243848**

The objective of the UT-Austin REU Program is to provide undergraduate students with 10 weeks of summer training consisting of skill development workshops, seminars, and laboratory research. Topics of research in 2003 included nanostructures, micromagnetics, nonlinear dynamics, femtosecond lasers, scanning probe microscopy, atom trapping, plasma and high-intensity laser physics.



Group Photo of the summer 2003 REU Students outside the Physics Building, UT Austin campus.

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Selected Activities

- Skill Development Workshops
 - Machine Shop
 - Vacuum/Cryogenics
 - Power Point Slides
 - On-Line Journals
- Seminars
- Individual Research Projects
- Presentations
 - Project Definition
 - Project Summary
- Project Write-Up



REU Student, Inna Vishik, presenting results of her 10-week research effort in the Nonlinear Dynamics Group.