

Nicholas J. Early

Department of Mathematics
103 Lockett Hall
Louisiana State University
Baton Rouge, LA 70803

Department phone: (225) 578-1665
Department fax: (225) 578-4276
earlnick@math.lsu.edu
<http://www.math.lsu.edu/>

Education

2007 – Doctoral student, Louisiana State University
2006 – 2007 Graduate student in Math at Duke
2004 – 2006 Graduate student in Physics at Duke
2000 – 2004 B.S. Mathematics and Physics, Indiana University of Pennsylvania (IUP), 2004,
Summa Cum Laude
2004 Mathematics study abroad, “Math In Moscow,” Independent University of Moscow
2001 Spanish language study abroad, National University of Costa Rica in Heredia

Research Experiences for Undergraduates (REU)

Louisiana State University (LSU) Jerome Hoffman, Neal Stoltzfus
Investigation of D. Kreimer’s Hopf algebraic renormalization of quantum field theories.
Development of a Mathematica program that implements the algorithm. Presented work
to math and physics department faculty at IUP in Fall, 2003. Presented in the physics
graduate student seminar series at Duke University in Fall, 2005.

Oak Ridge National Laboratory Advisors: D. Kroeger, R. Hawsey, P. Martin
Investigation of deposition methodologies for the high-temperature superconductor Yttrium
Barium Copper Oxide (YBCO). Development of a sequential current/voltage-measuring
apparatus.

Teaching Experience

Mathematics Tutor, Duke University, 2006 - 2007
Teaching Assistant at Duke University: Modern Physics (Fall 2004), General Physics (Spring,
2005), Intermediate Classical Mechanics (Fall 2005), [Graduate] Introduction to Statistical
Mechanics (Spring 2006).

Service

1999 – 2003 Vice President and Secretary of the Physics Club at IUP, 2002–2003. Co-
organizer of IUP’s annual Undergraduate Physics Olympics. Math club member at IUP.
Peer tutor in English, Math at IUP.

Honors and Awards

Four-year Board of Regents Doctoral Fellowship, LSU, Fall, 2007.
Charles H. Townes Teaching Fellowship, Physics department, Duke University, Fall, 2004.
Phi Kappa Phi scholarship for the Math In Moscow study abroad program at the Indepen-
dent University of Moscow, Spring, 2004.
Physics department travel grant awarded to attend the International Congress of Mathe-
matical Physics in Summer in Lisbon, Portugal, 2003.

Provost List, IUP, Fall, 2003.

Phi Kappa Phi honors society inductee, 2003.

Daniel Reiber Memorial Scholarship for Physics, IUP, 2003

Roy A. Daugherty Mathematics Department scholarship for academic excellence, IUP, 2002.

Hunt-Pickering Scholarship awarded for study abroad in Spanish in Costa Rica, Summer, 2001.