

Curriculum Vitae

Kurt Ludwick

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Education.

August, 2001
(expected)

Temple University, Philadelphia, PA
Ph.D., Mathematics

May, 1997

Temple University, Philadelphia, PA
M.A., Mathematics

May, 1994

The Pennsylvania State University, State College, PA
B.S., Mathematics, with honors in Mathematics

Honors thesis: "Analysis of the ratio $\sigma(n)/n$ "

(available online at <http://www.math.temple.edu/~ludwick>)

Teaching Experience.

May, 1994 - Present

Temple University, Department of Mathematics

Graduate Teaching Assistant. Courses taught: Calculus II, Calculus I, Precalculus, College Algebra, Elements of Mathematical Thought, College Mathematics (Honors), College Algebra (Remedial), Prealgebra (Remedial). Assisted with an experimental section of Calculus II which used Maple as an instructional tool.

1986-1994

Private tutor. Obtained experience teaching a wide variety of subject material, ranging from arithmetic through calculus.

Computer Experience.

Extensive knowledge of \LaTeX and HTML. Familiarity with Unix, Windows and Maple. Experience with Mathematica, Java and C++. Experience with the use of computers and the internet in mathematics education – web pages set up for past classes still available online at <http://www.math.temple.edu/~ludwick/teach>. Manage web pages for various organizations and individuals – list of pages available at <http://www.pobox.com/~kludwick>.

Kurt Ludwick

Research in Progress. Dissertation, *The Survival of Modularity Under Congruence Restrictions* (working title)

Research Interests. Analytic number theory; modular forms and modular integrals

Presentations and Talks.

February 12, 1999 Temple University, Society for Undergraduate Mathematics
“The Search for Perfection”
(a talk on perfect numbers, geared toward undergraduates)

Oct. 27 & Nov. 2, 1999; Temple University Department of Mathematics
Mar. 29 & Apr. 4, 2000 Candidates’ Seminar
“The Survival of Modularity Under Congruence Restrictions”

June, 2000 Bryn Mawr Number Theory Seminar
Bryn Mawr College, Bryn Mawr, PA
“The Survival of Modularity Under Congruence Restrictions”

December, 2000 Western Number Theory Seminar
University of San Diego, San Diego, CA
Contributed Talk

Jan. 24 & Jan. 31, 2001 Temple University Department of Mathematics
Candidates’ Seminar
“Fourier expansions of Congruence-Restricted Modular Forms”

References.

Professor Marvin I. Knopp
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Professor Doron Zeilberger
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Professor Anthony Hughes
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Professor Jack Schiller
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