

William Stein
Department of Mathematics
Harvard University
Cambridge, MA 02138

October 21, 2004

Dear Hiring Committee:

I wish to apply for a tenure or tenure-track position in mathematics. My AMS cover sheet, curriculum vitae, research statement, and teaching statement are enclosed. I have arranged for letters of recommendation from Benedict Gross, Joe Harris, Hendrik Lenstra, Barry Mazur, and Ken Ribet to be sent separately.

I am currently a Benjamin Peirce Assistant Professor at Harvard University. My interests are in **number theory** and **scientific computation**. In particular, I study elliptic curves, modular forms, and special values of L -functions, especially from the viewpoint of explicit computation. In my research, I have created modular forms algorithms, software, and databases, and have developed methods for computing with modular forms and abelian varieties, and applied my results to study the Birch and Swinnerton-Dyer conjecture.

My eight years of teaching experience has ranged from freshman to graduate levels, and I have included undergraduate students in some of my research.

I am very committed to pursuing a research career in academia, and look forward to hearing from you regarding my application. If you have any further questions, please send email to was@math.harvard.edu or call me at 617-308-0144. Thank you for your time and consideration.

Sincerely,

William Stein