Purdue University

Matthew Barrett

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Education

Ph.D. in Mathematics, Purdue University — May 2012
Thesis Advisors: Alexandre Eremenko, David Drasin
Title: Holomorphic Curves with Bounded Fubini-Study Derivative

Bachelor of Science, Purdue University — May 2007
Major: Mathematics
Minor: Computer Science

Papers

Generalization of a Theorem of Clunie and Hayman (with A. Eremenko), Proc. Amer. Math. Soc., 140, (2012) 1397-1402.

On the spherical derivative of a rational function (with A. Eremenko), January 2012, www.math.purdue.edu/~eremenko/dvi/slow3.pdf.

Computer Experience

Languages	C/C++, nVidia CUDA, Java, Python, Assembly (PPC), LaTeX
Systems	Linux, MSFT Windows, Solaris
Subjects	Data Mining & Machine Learning, Operating Systems, Analysis of Algorithms, Cryptography, Architecture, Data Structures, Introductory Courses
Projects	Web Crawler, Search Engine, Sound Wave Editor, HTTP/1.0 Server, Big Integer Type
Other	MSFT Visual Studio, MySQL, JDBC

Seminar Presentations

Université Laval, Quebec City	October 2011
McGill University, Montreal	October 2011
Purdue University, Indiana	October 2011
Conference on Complex Analysis, University of Illinois	May 2010

Teaching Experience at Purdue University

Large Lecture Instructor	2011
Instructor	2008 - 2011
Recitation Instructor	2007 - 2009

Grants and Honors

Graduate Research Assistant, Supported under NSF Grant	Summer 2011 – Spring 2012
Graduate School Student Research Grant	Summer 2010
Graduate Student Representative	Fall 2008, Spring 2009
Phi Beta Kappa Honor Society	Inducted 2007
Senior Achievement Award, Department of Mathematics	Spring 2007
Math Club Award	Spring 2007
Berkovitz Scholarship, Department of Mathematics	2006, 2007
Mathematics Faculty Scholarship	Fall 2006
Summer Undergraduate Research Fellowship, College of Engineering	Summer 2006
Mark Hoppy Memorial Scholarship, Department of Mathematics	2006
Ellen Aldag Sawyer Memorial, College of Science	Fall 2005
SPIRA Fellowship Award, Department of Mathematics	Summer 2005
Alpha Lambda Delta Phi Eta Sigma Honor Society	Inducted 2004
NSF REU Supplement: Robust Computational Geometry, Comp Sci Dept	2004
Wilbur T. Leath Memorial Scholarship, Band Department	Fall 2003