

Michael J. Fairchild

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Education

Ph.D. Applied Mathematics, UNC Charlotte, expected 2012. GPA=4.0.
M.S., Mathematics, UNC Charlotte, 2010. GPA=4.0.
B.S., Mathematics (honors) and Physics (honors), UNC Charlotte, 2007.
Math GPA=4.0, Physics GPA=4.0, Overall GPA=3.97.

Research Interests

Differential geometry, analysis, mathematical physics and biology.

Awards

2010: Graduate Teaching Award (best graduate student teacher), UNC Charlotte.
2009: Givens Fellow, Argonne National Laboratory, summer 2009.
2007: \$25,000 TIAA-CREF doctoral fellowship in applied mathematics, UNC Charlotte
2006: Feichtner Award and Scholarship, UNC Charlotte
2006: Junior Marshal
2005: Lynn Houser Pearce mathematics scholarship (top undergraduate math student), UNC Charlotte

Teaching Experience

For each of the courses listed below, I've had **full instructor** responsibilities.

Spring 2010: Calculus IV
Fall 2009: Differential Equations
Spring 2009: Calculus IV
Fall 2008: Linear Algebra

Computer Skills

Fluent in C, C++, Java, MATLAB, L^AT_EX, Mac OS X, Linux. Competent in Fortran, Mathematica, Maple, BLAS/LAPACK, MPI and HPC, data structures and algorithms, 80x86 assembler, TCP/IP networking, object orientation, UML, shell scripting.

Affiliations

Society for Industrial and Applied Mathematics (SIAM)
American Mathematical Society (AMS)
Mathematical Association of America (MAA)
Pi Mu Epsilon
Phi Kappa Phi
Sigma Pi Sigma
Society of Physics Students

Languages

English (native), German (basic).

Personal

Skydiving, travel, ham radio (station callsign KG4GMH).

References

Dr. Thomas R. Lucas
Professor
Department of Mathematics & Statistics
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Dr. Joel Avrin
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