

CURRICULUM VITÆ

David T. Calvis

Office Address

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EDUCATION

- Graduate: The University of Michigan, Ann Arbor, Michigan
- Ph.D. in Mathematics (1988). Major areas: Complex analysis, quasiconformal mappings and geometric function theory. Thesis: Domain constants of injectivity. F.W. Gehring, advisor.
 - M.S. in Computer, Information and Control Engineering (1984).
- Undergraduate: Case Western Reserve University, Cleveland, Ohio
- B.S. in mathematics, B.A. in music (1980).

PROFESSIONAL APPOINTMENTS

- 9/90–present: Professor of Mathematics, Baldwin Wallace University
- Taught new course for the Baldwin Wallace University core: *From the Shadowlands to Narnia: The Life and Work of C.S. Lewis*, Fall semesters 2015 and 2016.
 - Served on committee to create a new Applied Mathematics program, Spring 2016.
 - Taught (essentially) new course Applied Analysis, Fall semester 2014
 - Local arrangements chair for Fall Meeting of Ohio Section Mathematical Association of America
 - Served as Mathematics Coordinator, Fall 2008-Fall 2011
 - Led internal and external reviews of Mathematics program and Mathematics major curriculum, 2010-12
 - Initiated B-W's hosting of the American Mathematics Competition 10/12, beginning February 2011.
 - Served as Acting Chairman of the Department of Mathematics and Computer Science, Spring 2010; led a number of curricular changes as well as a successful search for new tenure-track faculty member
 - Courses normally taught: Introductory calculus, advanced calculus, differential equations, applied analysis, core mathematics
 - Promoted to Full Professor, April, 2000
 - Served as faculty co-sponsor of mathematics honorary Kappa Mu Epsilon since Fall 1996
 - Awarded tenure, Spring, 1996

- Promoted to Associate Professor, April, 1992

9/86–8/90: Assistant Professor of Mathematics, Hillsdale College, Hillsdale, Michigan

PUBLICATIONS AND TALKS

- “Reaping the Benefits of Technology without the Frustration”, address contributed to MAA MathFest, Columbus, Ohio, August 2016.
- Co-author of revision of Edwards-Penney’s *Differential Equations and Linear Algebra*; 4th ed. to be published January 2017 by Pearson
- Named as a co-author of Edwards-Penney’s *Differential Equations, Computing and Modeling*; assisted with creation of 5th ed. (2015)
- Assisted with revision of Edwards-Penney’s *Differential Equations and Linear Algebra*, 3rd ed., published by Pearson (2010)
- Assisted with revision of Edwards-Penney’s *Elementary Differential Equations*, 5th ed., published by Pearson (2008)
- Assisted with revision of Edwards-Penney’s *Differential Equations, Computing and Modeling*, 4th ed., published by Pearson (2008)
- Instructor’s Solution Manual to accompany Fitzpatrick’s *Advanced Calculus*, 2nd ed., published by Brooks/Cole (2005)
PowerPoint lecture presentations to accompany Swokowski/Cole’s *Precalculus* 10th ed., Brooks/Cole (2004)
- PowerPoint presentations to accompany Stewart’s *Calculus: Concepts and Contexts* 3rd ed., Brooks/Cole (2004)
- *Mathematica*–based animations of diagrams to accompany Swokowski/Cole’s *Precalculus* 10th ed., Brooks/Cole (2004)
- *Mathematica*–based animations of diagrams for *CalcLink* CD to accompany Stewart’s *Calculus* 4th ed., Brooks/Cole (2001)
- *Mathematica* for Differential Equations: Projects, Insights, Syntax, and Animations, Prentice-Hall, 2005. (Collection of stand-alone assignments using *Mathematica* to illustrate ideas in the traditional first course in ordinary differential equations.)
- Partially Differentiable, Yes; Continuous, No, *The College Mathematics Journal* **31** (2000), 47–52
- Investigating Calculus with *Mathematica*, McGraw-Hill (2000). (Technology manual accompanying *Calculus with Analytic Geometry* by Smith and Minton.)
- The inner radius of univalence of normal circular triangles and regular polygons, *Complex Variables* **4** (1985), 295–304

TEXTBOOK REVIEWS

- Edwards and Penney, *Elementary Differential Equations and Boundary Value Problems*, 5th edition, Prentice-Hall, 2004

- Edwards and Penney, *Differential Equations and Boundary Value Problems, Computing and Modeling*, 3rd edition, Prentice-Hall, 2004
- Blank and Krantz, *Calculus*, Key College Publishing, 2006

AWARDS

- Recognized at Faculty Appreciation Day football game ceremony, 2003, 2004, and 2008.
- Faculty Excellence Award, B-WC, 1994
- Strosacker Award for Excellence in Teaching, Baldwin-Wallace College, 1993
- Co-recipient, Outstanding Graduate Student Instructor Award, University of Michigan Department of Mathematics, 1986

GRANTS

- Teaching load reduction under a B-WC Faculty Development Grant, Baldwin-Wallace College, academic year 2004-2005
- Teaching load reduction under the Gigax Faculty Development Grant program, Baldwin-Wallace College, academic year 2000-2001 and 2002-2003
- Summer Grants, Baldwin-Wallace College, summers, 2000 and 2002
- Sabbatical leave, Baldwin-Wallace College, Spring semester, 1999
- Multi-Media Grants, Baldwin-Wallace College, summers, 2001-2003