Brief Vita 2020

Philip Yasskin – Associate Professor
Department of Mathematics
Texas A&M University

Education

- Ph.D., Physics, University of Maryland, May 1979
- M.S., Physics, University of Maryland, December 1975
- M.S., Applied Mathematics, University of Pennsylvania, May 1971
- B.A., Mathematics and Physics, University of Pennsylvania, May 1971

Research or Scholarly Interests

General Relativity, Differential Geometry, Applications of Computer Algebra Systems, Technology in STEM Education, Enhancement of K-12 Education, Outreach to K-12 Students and Teachers

Activities, Awards and Honors

1. Founder and Co-Director (with David Manuel) of the TAMU Summer Educational Enrichment in Math (SEE-Math) program (See http://see-math.math.tamu.edu/) 2002-2021.
2. Co-Founder and Co-Director (with Alex Sprintson, Frank Sottile, Guoliang Yu, Junehyuk Jung, Wencai Lui) of the TAMU Math Circle (See http://mathcircle.tamu.edu/) 2011-2021.
3. National Program Director for the Special Interest Group of the Mathematical Association of America on Math Circles for Students and Teachers (SIGMAA on Circles) (See http://sigmaa.maa.org/mcst/) 2011-19, 2020-2021.
4. Organized 2 Poster and Activity Sessions at the Annual Joint Mathematics Meetings (See http://sigmaa.maa.org/mcst/PosterActivitySessions/JMM2012.htm for Jan 2012. See http://sigmaa.maa.org/mcst/PosterActivitySessions/JMM2013.htm for Jan 2013.)
5. Recipient of the TAMU Sigma Xi 2018 Outstanding Scientific Communicator Award (See https://sigmaxi.tamu.edu/awards/outstanding-communicator-award/past-outstanding-communicator-awards 2018
6. Recipient of the Raytheon, MathMovesU, Math Hero Award (See https://raytheon.mediaroom.com/index.php?s=43&item=2645 or https://science.tamu.edu/news/2014/09/yasskin-honored-as-2014-raytheon-math-hero/) 2014
7. Co-Recipient (with Douglas Meade) of ICTCM Award presented for their program *Maplets for Calculus* for "excellence and innovation in using technology to enhance the teaching and learning of mathematics" at the 20th International Conference on Technology in Collegiate Mathematics (ICTCM) (See http://en.wikipedia.org/wiki/ICTCM_Award) 2008.
8. Faculty Advisor for Math Club, Pi Mu Epsilon Honor Society, 1986-95, 99-2018.
9. The Association of Former Students, Distinguished Achievement Award for Teaching in the College of Science 2011.
10. Department of Mathematics Outstanding Service Award 1996, 2007.
11. Department of Mathematics Outstanding Teaching Award 1999.
12. TAMU Academic Innovation Grant for development of the MYMathApps Calculus textbook 2018-2019.
13. 2 MAA Dolciani Grants for Math Circle outreach 2014 and 2015.
14. 2 NSF-DUE Grants for Curriculum Development 2007 and 2011.

Software Projects

- MYMathApps Calculus, (list of contributors is at https://mymathapps.com/mymacalc-sample/Credits.html),
  - A 3-semester online Calculus text which is fully hyperlinked,
    is highly interactive and emphasizes 2d and 3D graphics and animations.
  - Free for students at TAMU and Univ. of South Carolina
  - TAMU faculty, staff and students may access the text at
    https://www.math.tamu.edu/maple/maplets/MYMACalc
  - Others may access a sample of the text at
    http://www.MYMathApps.com/mymacalc-sample
- TAMU Math Circle Apps (with Carl Van Huyck),
  - A collection of interactive applets for use at online Math Circles, included in MYMathApps Calculus.
  - Accessible for anyone at
    http://www.MYMathApps.com/mymacalc-sample/MathCircleApps/MContents.html
- Maplets for Calculus, (with Douglas Meade),
  - A collection of 201 Maple applets for tutoring calculus online now included in MYMathApps Calculus.
  - Free for students at TAMU and Univ. of South Carolina
  - TAMU faculty, staff and students may access the text at
    https://www.math.tamu.edu/maple/maplets/MYMACalc/M4C/MapletsForCalculus.html
  - Others may purchase them at https://mymathapps.com/
- WebCalc, (with G. Donald Allen and Michael Stecher),
  - An online Single Variable Calculus textbook
  - This is no longer easily accessible but was the inspiration for MYMathApps Calculus.
- VecCalc, (with Arthur Belmonte),
  - Maple package for Vector Calculus
  - May be downloaded at https://calclab.math.tamu.edu/maple/veccalc/

Students

- Joseph Martinsen, B.A. May 2019, Honors University Scholars Thesis: "Textbook Dependency Web"
- Matthew Weihing, B.A. May 2019, Honors University Scholars Thesis: "Interactive Web-Based Calculus Tutorials"
- Matthew Barry, B.A. May 2014, Honors University Scholars Thesis: "MathLex, A Web-Based Mathematical Entry System", (See http://mathlex.org/)
- Marta Kobiela, M.S. May 2006, Thesis: "An Eighth Grade Curriculum Incorporating Logical Thinking and Active Learning"

Invited Speaker

- Julia Robinson Math Festival, 24 Hour Math Buffet, invited international zoom talk, "Folding Toilet Paper", March 11-12, 2021
- MathPath 2018, 4 summer math courses for middle school students at Lewis and Clark College, July 15 - July 22, 2018.
- Open House Education Foundation, summer math course (with Ted Alper) at No. 2 High School of East China Normal University in Shanghai, China, July 2 – 17, 2017.
- MathPath 2017, 2 summer math courses for middle school students at Mount Holyoke College, June 25 - July 1, 2017.
- University of Tennessee at Chattanooga, Math Circle talk for gifted students in grades 7-11, Oct 19-21, 2017.
- University of Tulsa, Math Teachers' Circle, Summer Immersion Program, (with Diana White), June 6-8, 2016.
- University of Texas, Math Teachers' Circle professional development talk, Nov 19, 2015
- Steven F. Austin State University, Math Teachers' Circle professional development talk, Nov 11, 2014.