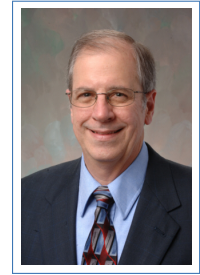


# Thomas E. Price

## Resume

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Stow, OH 44224  
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🌐 [www.math.uakron.edu/~tprice/](http://www.math.uakron.edu/~tprice/)



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### Last Degree

1976 **Ph.D., Mathematics**, *The University of Georgia*, Athens, GA.

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### Experience

2007– **Owner, *SiTeX***, Stow, OH, Technical typesetting, writing, and editing, software training, and screen casting.

**Recent clients:** Federal Reserve Bank of Minneapolis, Intel, Microsoft Research, Inter-American Development Bank, Armfield Academic Press

See **Software** on page 2 and **References** on page 5 for brief descriptions of my recent work.

2006– **Professor Emeritus, Mathematics**, *The University of Akron*, Akron, OH.

1987–2006 **Professor of Mathematics**, *The University of Akron*, Akron, OH.

1987–1993 **Professor of Biomedical Engineering**, *The University of Akron*.

1981–1987 **Associate Professor of Mathematics**, *The University of Akron*.

I was hired as an assistant professor in 1976.

1984–1987 **Associate Professor of Biomedical Engineering**, *The University of Akron*.

#### Professional leaves

Fall 2002 **Visiting Scholar, Department of Mathematics**, *Cornell University*, Ithaca, NY.

1993–1994 **Visiting Professor, Department of Mathematics**, *Colorado State University*, Ft. Collins, CO.

1985–1986 **Visiting Professor, Department of Mathematics and Institute for Constructive Approximation**, *The University of South Florida*, Tampa, FL.

1983–1984 **Visiting Professor, Department of Mathematics and Institute for Computational Mathematics**, *Kent State University*, Kent, OH.

#### Biomedical Engineering Research

1984–1991 **Research Associate, Biostereometrics Laboratory**, *Akron City Hospital*, Akron, OH.

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### Military

1969-1971 **First Lieutenant, Corps of Engineers**, *United States Army*, served in Vietnam.

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### Workshops and Training

2017 **L<sup>A</sup>T<sub>E</sub>X Workshop**, *ACMS*, Charleston Southern University, Charleston, SC.

2014 **Scientific WorkPlace**, *Inter-American Development Bank*, Washington, D.C.

- 2012 **Scientific WorkPlace**, Luis Martinez, Stow, OH.
- 2010 **Scientific WorkPlace**, Inter-American Development Bank, Washington, D.C.
- 2007 **Training videos for PCTeX, MathMagic, ScientificWorkplace, and document templates.**

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## Teaching Awards

- 2011 **Tutor of the Year**, *Project: LEARN*, Summit County, OH, Tutoring GED students.
- 2006 **Award for Outstanding Teaching**, *Ohio Section Mathematical Association of America*, Ohio.
- 2005 **Outstanding Teaching Award**, *The University of Akron*, Akron, OH.
- 2005 **Teaching Award**, *Buchtel College of Arts and Sciences*, The University of Akron, Akron, OH.
- 2005 **Teaching Award**, *Northeast Ohio Council on Higher Education* .
- 2004 **Chairs' Award for Outstanding Teaching**, *Department of Mathematics*, The University of Akron, Akron, OH.

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## Software

|  |           |  |
|--|-----------|--|
| L <sup>A</sup> T <sub>E</sub> X                | Expert    | <i>Typesetting, training sessions, template creation</i>   |
| TikZ   | Competent | <i>A set of higher-level L<sup>A</sup>T<sub>E</sub>X macros for producing vector graphics from a geometric/algebraic description</i>   |
| BibL <sup>A</sup> T <sub>E</sub> X             | Competent | <i>Reference management software for formatting lists of references</i>  |
| JabRef   | Competent | <i>A reference manager for BibTeX databases</i>  |
| Beamer   | Competent | <i>A L<sup>A</sup>T<sub>E</sub>X class for creating presentations for a projector or transparency slides; I can build stylish presentations that include animations</i>  |
| memoir   | Competent | <i>The memoir class effectively incorporates the facilities that are usually accessed by using external packages.</i>  |
| X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X | Competent | <i>X<sub>Y</sub>L<sup>A</sup>T<sub>E</sub>X is a T<sub>E</sub>X typesetting engine using Unicode and supporting modern font technologies such as OpenType, Graphite and Apple Advanced Typography (AAT).</i>                       |
| SHAREL <sup>A</sup> T <sub>E</sub> X           | Competent | <i>An easy to use, online, collaborative L<sup>A</sup>T<sub>E</sub>X editor, which has a document history feature so that users can restore L<sup>A</sup>T<sub>E</sub>X files to any older version; I have a Collaborator plan</i> |
| MacKichan Software                             | Expert    | <i>Training sessions and videos, document preparation, shell creation (I am a beta tester for <b>Scientific WorkPlace</b>, <b>Word</b>, and <b>Notebook</b>)</i>   |
| MathJax  | Competent | <i>An open-source JavaScript display engine for L<sup>A</sup>T<sub>E</sub>X</i>  |
| MathType                                       | Expert    | <i>An interactive equation editor for Windows and Macintosh</i>  |
| MathMagic                                      | Expert    | <i>Produced some of the videos located at <a href="http://www.mathmagic.com">www.mathmagic.com</a></i>   |
| Camtasia                                       | Competent | <i>Promotional and training screen casting</i>   |
| MS Office                                      | Competent | <i>Developed an online meeting registration system</i>   |

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## Publications (Books and Recent Articles)

### Books and Workshop Manuals

- [1] Lance Carnes and Thomas E. Price. L<sup>A</sup>T<sub>E</sub>X Quick Start. PCTeX, 2009.
- [2] Richard B. Darst, Judith A. Palagallo, and Thomas E. Price. Curious Curves. World

Scientific, 2009.

- [3] Thomas E. Price. L<sup>A</sup>T<sub>E</sub>X Workshop. University of Akron.
- [4] Thomas E. Price. A trigonometry tutorial on the world wide web, 2001.
- [Recent Articles](#)
- [5] G. Jay Kerns, Thomas E. Price, D.P. Story, and Jonathan Duran. An online registration system for section meetings. MAA FOCUS, 2008.
- [6] Richard B. Darst, Judith A. Palagallo, and Thomas E. Price. Generalizations of the Koch curve. Fractals, 16:267–274, 2008.
- [7] Thomas E. Price, Jeromie Walters, and Yingcai Xiao. A role-based online evaluation system. In Proceedings of IADIS Virtual Multi Conference on Computer Science and Information Systems, pages 19–24, 2006.
- [8] Thomas E. Price. Products of lengths of line segments. The Mathematical Gazette, 90(517):13–20, 2006.
- [9] Thomas E. Price. Products of elliptical chord lengths and the Fibonacci numbers. Fibonacci Quarterly, 43(2):149–156, 2005.
- [10] Shawn Drenning, Judith A. Palagallo, Thomas E. Price, and Robert S. Strichartz. Outer boundaries of self-similar tiles. Experimental Mathematics, 14(2):199–210, 2005.
- [11] Katie Jones, Thomas E. Price, and Donald P. Story. Online trigonometry flash cards. Mathematics in School, 33:8–12, 2004.
- [12] Thomas E. Price. Products of chord lengths of an ellipse. Mathematics Magazine, 75(4):300–307, 2002.
- [13] Richard B. Darst, Judith A. Palagallo, and Thomas E. Price. Fractal tilings in  $\mathbb{R}^2$ . Mathematics Magazine, 71(1):12–23, 1998.
- [14] Judith A. Palagallo and Thomas E. Price. On the computation of  $\int \frac{dt}{t^m+1}$ . Mathematics Magazine, 70(1):59–63, 1997.
- [15] Thomas E. Price et al. Use of biostereometric analysis as a prescreen for breast cancer. Investigative Radiology, 26(6):528–533, 1991.
- [16] Thomas E. Price et al. Breast volume measurement of 598 women using biostereometric analysis. Annals of Plastic Surgery, 22(5):380–385, 1989.
- [17] Thomas E. Price et al. Biostereometric analysis of a female breast for breast cancer detection. Journal of Biomedical Engineering, 10(3):237–245, 1988.
- [18] Thomas E. Price. Pointwise error estimates for interpolation. Journal of Computational and Applied Mathematics, 19:389–393, 1987.
- [19] Judith A. Palagallo and Thomas E. Price. Properties of projections obtained by averaging certain polynomial interpolants. In E. B. Saff, editor, Approximation Theory, Tampa, number 1287 in Lecture Notes in Mathematics, pages 132–145. Springer-Verlag, 1987.

- [20] Judith A. Palagallo and Thomas E. Price. Near-best approximation by averaging polynomial interpolants. *IMA Journal on Numerical Analysis*, 7:107–122, 1987.
- [21] Thomas E. Price et al. Right and left breast volume distribution comparison in normal and tumor-containing breasts. *Detection and Prevention*, 10:215–221, 1987.
- [22] Thomas E. Price et al. Breast volume measurement of 248 women using biostereometric analysis. *Plastic and Reconstructive Surgery*, 80:553–557, 1987.
- [23] Patricia Hillhouse Finney and Thomas E. Price. Quadratures which possess interpolatory and minimum norm properties. *SIAM Journal on Numerical Analysis*, 14:210–216, 1986.
- [24] Thomas E. Price et al. Validity and reliability of biostereometric measurement of the human female breast. *Annals of Biomedical Engineering*, 14:1–14, 1986.
- [25] Thomas E. Price et al. Reliability of a photogrammetric determination of the breast-thorax boundary. In A. M. Coblentz and R. E. Herron, editors, *Biostereometrics '85*, volume 602, pages 196–203. *Proceedings SPIE*, 1986.
- [26] Donald P. Story and Thomas E. Price. Monte carlo simulation of numerical integration. *Journal of Statistical Computation and Simulation*, 23:97–112, 1985.
- [27] Thomas E. Price. Walsh over convergence and polynomial averages in  $z$  and  $z^{-1}$ . *Houston Journal of Mathematics*, 11, 1985.
- [28] Thomas E. Price. Extensions of a theorem of J. L. Walsh. *Journal of Approximation Theory*, 43:140–150, 1985.
- [29] Thomas E. Price. Numerical approximation of analytic functions in the complex domain. *Journal of Computational and Applied Mathematics*, 6:177–182, 1980.
- [30] Thomas E. Price. Orthogonal polynomials for nonclassical weight functions. *SIAM Journal on Numerical Analysis*, 16:999–1006, 1979.
- [31] Thomas E. Price. Cubature error bounds for a class of analytic functions. *SIAM Journal on Numerical Analysis*, 13:227–237, 1976.

## Grants and Other Funding

- 2005 **Research Experiences for Undergraduates in Mathematics (PI)**, *National Science Foundation*.
- 1998 **Teaching Excellence Grant**, *The University of Akron with a supplement from the Buchtel College of Arts and Sciences*, Create an online trigonometry tutorial.
- 1996 **Educational Research and Development Center, The University of Akron, Akron, OH**, Conduct an EXP workshop.
- 1993 **Educational Research and Development Center, The University of Akron, Akron, OH**, The effects of class size on undergraduate mathematics education.
- 1989 **Akron city Hospital Foundation, Akron, OH**, Develop software for the biostereometric detection of breast cancer.
- 1989 **Research Challenge Enhancement Grant, Akron, OH**, Develop software for the biostereometric detection of breast cancer.

- 1989 **Akron City Hospital Foundation**, *Akron, OH*, Biostereometric breast cancer detection of tumors less than one centimeter.
- 1989 **Akron City Hospital Foundation**, *Akron, OH*, Application of biostereometric breast volume determination to breast augmentation and reconstruction.
- 1987 **Akron City Hospital Foundation**, *Akron, OH*, On the use of shape analysis and computer graphics techniques for breast cancer detection.
- 1987 **The University of Akron**, *Akron, OH*, Faculty Summer Research Fellowship, Breast cancer detection.
- 1986 **Akron City Hospital Foundation**, *Akron, OH*, Biostereometric analysis in breast cancer detection.
- 1985 **The University of Akron**, *Akron, OH*, Faculty Summer Research Fellowship, Mathematics.
- 1982 **Akron City Hospital Foundation**, *Akron, OH*, Biostereometric analysis in breast cancer detection.
- 1981 **The University of Akron**, *Akron, OH*, Faculty Summer Research Fellowship, Mathematics.

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## Presentations

**I have given over 30 professional presentations during my career; about one-third of them were invited. A complete list is available on request.**

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## References

### Michael Wrinn

Research Director  
**Intel Labs University Research Office**  
 ✉ michael.wrinn@intel.com

*I combined 22 technical articles and fifteen chapter introductions into a 470 page book using L<sup>A</sup>T<sub>E</sub>X. I am generating ebook versions of this document.*

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### Dennis Gannon

Director of Applications for the Cloud  
 Computing Futures Group (Retired)  
**Microsoft Research**  
 ✉ dennis.gannon@outlook.com

*I combined approximately 30 articles and 19 chapter introductions into a 650 page book using L<sup>A</sup>T<sub>E</sub>X.*

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### Douglas C. Phillippy

Associate Professor of Mathematics, Department of Computer and Information Science, Messiah College  
 ✉ dphillip@messiah.edu

*Douglass completed my L<sup>A</sup>T<sub>E</sub>X workshop in 2017.*

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### Joan Gieseke

Research Editor, Research Division  
**Federal Reserve Bank of Minneapolis**  
 Minneapolis, MI  
 ✉ joan.gieseke@mpls.frb.org

*I wrote a style package to format the Federal Reserve Bank of Minneapolis Quarterly Report.*

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## Barry MacKichan

President and CEO  
**MacKichan Software, Inc.**  
✉ barry@mackichan.com

*I serve as a beta tester for all MacKichan software products such as **Scientific WorkPlace**.*

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## Jianping Zhu

Provost and Senior Vice President for Academic Affairs  
**Cleveland State University**  
✉ j.zhu94@csuohio.edu

*Dr. Zhu was the chair of the mathematics department at the University of Akron when I developed online training materials.*