

# Curriculum Vita

## Karl J. Havlak

This vita is prepared in response to HB 2504, in conformance with THECB Rule 4.227(2).

### ***Institutions of Higher Education Attended***

Angelo State University, 1987 – 1991, B.S. in Mathematics

Texas Tech University, 1991 – 1993, M.S. in Mathematics

Texas Tech University, 1993 – 1996, Ph.D. in Applied Mathematics

### ***Teaching Positions***

Angelo State University, Chair and Professor, 2014 – present

Angelo State University, Professor, 2012 – 2013

Angelo State University, Associate Professor, 2006 – 2012

Angelo State University, Assistant Professor, 2000 – 2006

Tarleton State University, Assistant Professor, 1996 – 2000

Texas Tech University, Teaching Assistant, 1992 - 1996

### ***Areas of Interest***

Applied Mathematics: mathematical modeling, numerical analysis, differential equations

### ***Significant Professional Publications***

(Discipline-related refereed papers/publications, books/book chapters, and juried creative performance accomplishments)

- Development of a Computer-Based College Algebra Course (with Javier Garza, Elisabeth Riggs, and Peter White), *Electronic Proceedings of the Twelfth Annual International Conference on Technology in Collegiate Mathematics* (1999), <http://archives.math.utk.edu/ICTCM/EP-12.html>.
- On Deterministic Particle Methods for Solving Vlasov-Poisson-Fokker-Planck Systems (with H.D. Victory, Jr.), *SIAM Journal of Numerical Analysis*, **35** (1998), pp. 1473-1519.
- The Numerical Analysis of Random Particle Methods Applied to Vlasov-Poisson-Fokker-Planck Kinetic Equations (with H.D. Victory, Jr.), *SIAM Journal of Numerical Analysis*, **33** (1996), pp. 291-317.