

George D. Tintera

Texas A&M University-Corpus Christi
Science & Engineering, Mathematics & Statistics

Office: Center for Instruction 303, Office Phone: (361) 825-6028, Email: george.tintera@tamucc.edu

Education

PhD, The University of Texas at Austin, 1990.

AB, Wabash College, 1983.

Professional Employment

Chair, Department of Mathematics and Statistics, Texas A&M University-Corpus Christi. (2009 - Present).

Associate Professor, Texas A&M University-Corpus Christi. (1997 - Present).

Assistant Professor, Texas A&M University-Corpus Christi. (1994 - 1997).

Assistant Professor, Texas A&I University (now Texas A&M University-Kingsville). (1990 - 1994).

GTA, Assistant Instructor, GRA, The University of Texas at Austin. (1983 - 1990).

TEACHING

Teaching Experience

COSC 3385, NUMERICAL METHODS
MATH 1314, COLLEGE ALGEBRA
MATH 1325, BUSINESS CALCULUS
MATH 1442, STATISTICS FOR LIFE
MATH 2312, PRECALCULUS
MATH 2413, CALCULUS I
MATH 2414, CALCULUS II
MATH 300, DEVELOPMENTAL MATHEMATICS
MATH 3311, LINEAR ALGEBRA
MATH 3312, COLLEGE GEOMETRY
MATH 3313, FOUNDATIONS TO HIGHER MATH
MATH 3314, FOUNDATIONS OF REAL NUMBERS
MATH 398, INTRODUCTION TO ALGEBRA
MATH 399, INTERMEDIATE ALGEBRA
MATH 4306, MODERN ALGEBRA
MATH 4385, APPLIED MODELING
MATH 4696, DIS: Introduction to Complex Analysis
MATH 5310, TOPICS IN MATHEMATICS: Calculus II
MATH 5326, STRUCT OF PATTERNS AND ALGEBRA
MATH 5327, STRUCT OF GEOM AND MEASUREMENT
MATH 5328, STRUC OF PROBABILITY AND STATS
MATH 5329, STRUC MDLNG WITH RATES CHANGE
MATH 5332, INTEGRATION TECHNOLOGY IN MATH
MATH 5370, MODELING OF NATURAL SYSTEMS
MATH 5378, MATH MODELING
MATH 5390, SPECIAL TOPICS IN MATHEMATICS

MATH 5393, LITERATURE REVIEW AND RESEARCH
MATH 5394, RESEARCH METHODS IN MATH
MATH 5396, DIS: Advanced Mathematical Writing
MATH 5995, THESIS
MATH 5997, DIRECTED RESEARCH
MATH 99, NON-COURSE DEVELOPMENTAL
SMTE 4370, MATHEMATICS EDUCATION TOPICS I

SCHOLARLY AND CREATIVE ACTIVITIES

Publications

Refereed

Conference Proceedings

Tintera, G. D., Ives, S., Moore, K. (2014). The Professional Notebook as a Vehicle for Continued Growth. *Proceedings of the Research Council of Mathematics Learning, 41st Annual Meeting* (2014th ed., pp. 8 pages). Research Council on Learning Mathematics.

Young, E., Champion, J. K., Ives, S., Tintera, G. D. (2012). *Patterns of Participation Among Secondary Teachers in a Master of Science in Mathematics Program* (pp. 135-143). RCML Proceedings.

Weitekamp, A., Kar, D. C., Garcia, M. A., Tintera, G. D. (2008). *Symmetric Key Cryptography Using Synchronized Chaotic Systems* (pp. 136-140). Orlando, FL: Proceedings of the International Multi-Conference on Engineering.

Tintera, G. D., Balasubramanya, M., Sadovski, A. L. (2005). *A program orienting incoming freshman towards integrating mathematics with science and engineering*. Corpus Christi, Texas: Proceedings of the 2005 American Society for Engineering Education Gulf-Southwest Annual Conference.

Journal Articles

Tintera, G. D., Sabrio, D., Sabrio, S. (1993). Writing to Learn and Learning to Write: An Experiment. *PRIMUS, III*(#4), pp. 419-429.

Tintera, G. D. (1993). Kmax and stable rank of enveloping algebras. *Proc. Amer. Math. Soc.*, 119 (1993)(no. 3), 691-696.

Workbook Lab

Tintera, G. D., Giraldo, J. H., Morvant, M. (2003). *Keys Lost in a Cup of Tea? An Everyday Application of Beer's Law* (pp. 91-95). Baton Rouge, LA: MainSTey Activity Workbook.

Tintera, G. D., Giraldo, J. H., Morvant, M. (2003). *The Heat is On* (pp. 55-59). Baton Rouge, LA: MainSTey Activity Workbook, LS-LAMP.

Tintera, G. D., Giraldo, J. H., Morvant, M. (2003). *Would you Like a Little Tea with your Lemon?* (pp. 51-54). Baton Rouge, LA: MainSTey Activity Workbook, LS-LAMP.

Non-Refereed

Conference Proceedings

Tintera, G. D., Tintera, P. (2012). Recasting of Traditional Mathematics Instruction Improves Learning. *Proceedings of the Research Council of Mathematics Learning, 39th Annual Meeting* (pp. pp 100-106).

Tintera, G. D., Kay, A. (1994). *Advanced Techniques and Tricks on the TI-85* (pp. pp. 480-484). Proceedings of the 7th Conference on Technology in Collegiate Mathematics, Addison Wesley.

Tintera, G. D. (1993). *Driving Home the Relationship of the Mean Value Theorem to the Fundamental Theorem of Calculus with an Equation Solver* (pp. pp. 759-761). Proceedings of the 6th Annual International Conference on Technology in Collegiate Mathematics, Addison Wesley.

Presentations

Chen, B. (Author & Presenter), Liu, C., Tintera, G. D., Tintera, P., "Relationship between intense precipitation systems over Tropics and their large-scale Environments," 97th American Meteorological Society (AMS) Annual Meeting. (January 22, 2017).

Tintera, G. D., Postelnicu, V., Alexander, J., "Optimization Problems," ME by the SEa, The Coastal Council of Teachers of Mathematics, Corpus Christi, Texas. (June 17, 2016).

Tintera, G. D. (Author & Presenter), Wang, Y. (Author), "The Colley Method and the Page Rank Algorithm with Fuzzy Data," Meeting of the Texas Section of the Mathematical Association of America, MAA, Texas Section, Nacogdoches, TX. (April 1, 2016).

Tintera, G. D., "A College Prep Mathematics Class for the Coastal Bend," ME by the SEa, The Coastal Council of Teachers of Mathematics, Corpus Christi, Texas. (June 13, 2014).

Tintera, G. D., "Progress on a College Prep Math Course for House Bill 5," Meeting of the Texas Section of the Mathematical Association of America, Texas Section of the Mathematical Association of America, Laredo, Texas. (April 4, 2014).

Ives, S., Moore, K., Tintera, G. D., "The Professional Notebook as a Vehicle for Continued Growth," Research Council for Mathematics Learning, Research Council for Mathematics Learning, San Antonio, TX. (February 28, 2014).

Tintera, G. D., Ives, S., "Empowering Teachers in the Content and Delivery of a Summer Mathematics Institute," 2014 Annual AMTE Conference, Association of Mathematics Teacher Educators, Irvine. (January 2014).

Ives, S. (Author), Tintera, G. D. (Author & Presenter), Moore, K. (Author), "Empowering Teachers in the Content and Delivery of a Summer Math Institute," The College and Career Keystone Conference: Supporting Student Success through K-16 Collaboration, Education Service Center 20, San Antonio, TX. (June 28, 2013).

Young, E., Champion, J. K., Ives, S., Tintera, G. D., "Secondary Mathematics Teachers as Non-Traditional Graduate Mathematics Students," Math Seminar, Department of Mathematics & Statistics, Texas A&M University--Corpus Christi. (March 30, 2012).

Young, E., Champion, J. K., Ives, S., Tintera, G. D., "Consequences of Secondary Teachers' Degree Participation in a Grant-Supported MS in Mathematics Program," Research Council for

Mathematics Learning, Research Council for Mathematics Learning, Charlotte, North Carolina. (February 25, 2012).

Tintera, P. (Author & Presenter), Tintera, G. D. (Author & Presenter), RCML, RCML, Charlotte, North Carolina. (February 24, 2012).

Tintera, G. D., Plesk, M., "Comparing Mathematics Teacher Preparation in the Czech Republic and Texas," The Annual Meeting of the School Science and Mathematics Association, Indianapolis, IN. (November 16, 2007).

Tintera, G. D., "TxCETP Course Components for Student-Centered Learning in University-Level Mathematics," The Annual Meeting of the Society for School Science and Mathematics, Fort Worth. (November 11, 2005).

Tintera, P., Tintera, G. D., "Learning Styles and Academic Variables of Taiwanese Students," Third International Congress of Chinese Mathematicians (ICCM 2004), The Chinese University of Hong Kong. (December 18, 2004).

Tintera, G. D., "Math in Museums," The Conference for the Advancement of Teaching of Mathematics, Houston. (July 2003).

Tintera, G. D., "Moving Towards Concepts in Calculus," The Conference for the Advancement of Mathematics Teaching, Dallas. (July 2002).

Tintera, G. D., Giraldo, J. H., Morvant, M., "Discovering Path Length in a Glass of Tea," DOE EPSCoR and LS-LAMP Conference, Baton Rouge, LA. (March 2000).

Tintera, G. D., Kay, A., "Advanced Techniques and Tricks on the TI-85," The International Conference of Technology in Collegiate Mathematics, Orlando, FL. (November 1994).

Tintera, G. D., "Driving Home the Relationship of the Mean Value Theorem to the Fundamental Theorem of Calculus with an Equation Solver," International Conference on Technology in Collegiate Mathematics, Parsippany, NJ. (November 1993).

Tintera, G. D., "The Stable Rank of Algebras," The Warwick Algebra Symposium session on Ring Theory and its Applications. (July 1991).

Contracts, Grants and Sponsored Research

Contract

Tintera, George Dunkin, "Hosting an Algebra Workshop," Sponsored by Teachers Teaching with Technology, Private, \$2,000.00. (1997).

Tintera, George Dunkin, "Hosting a Geometry Workshop," Sponsored by Teachers Teaching with Technology, Private, \$2,000.00. (1996).

Grant

Champion, Joseph K. (Co-Principal), Silliman, James E (Principal), Hill, Mary Denise (Co-Principal), McCollough, Cherie (Co-Principal), Wright, Pamela (Co-Principal), Tintera, George Dunkin (Supporting), Smee, Delbert Lee (Supporting), "Elementary Teachers Engaged in Authentic Math and Science [ETEAMS] (MSP Targeted Partnership)," Sponsored by National Science Foundation, Federal, \$1,500,000.00. (October 1, 2013 - September 30, 2016).

Tintera, George Dunkin (Principal), "Islander Math Circles," Sponsored by Mathematical Sciences Research Institute, Federal, \$2,000.00. (September 2013 - May 2014).

Champion, Joseph K. (Co-Principal), Ives, Sarah (Principal), Young, Elaine (Co-Principal), Bruun, Cilla Faye (Co-Principal), Tintera, George Dunkin (Co-Principal), "TAMUCC TQ-2012 Secondary Mathematics," Sponsored by Texas Higher Education Coordinating Board, State, \$226,792.00. (May 1, 2012 - April 30, 2014).

Tintera, George Dunkin (Principal), Champion, Joseph K. (Co-Principal), "South Texas Partnership for Algebra Transition (STPAT) Continuation. Secondary Mathematics Teacher Support Grant.," Sponsored by Texas Education Agency, State, \$78,416.00. (September 1, 2012 - August 31, 2013).

Champion, Joseph K. (Co-Principal), Tintera, George Dunkin (Principal), Ives, Sarah (Co-Principal), "South Texas Partnership for Algebra Transitions (STPAT)," Sponsored by Texas Education Agency, State, \$177,534.00. (June 1, 2011 - June 30, 2012).

Murphy, Susan W (Co-Principal), Tintera, George Dunkin (Co-Principal), "Next Generation Learning Challenge Project: Blended Learning," Sponsored by EDUCAUSE, Other, \$10,000.00. (January 2011 - June 2012).

Young, Elaine (Principal), Tintera, George Dunkin (Co-Principal), Bruun, Cilla Faye (Co-Principal), "School Mathematics Project," Sponsored by Teacher Quality, State, \$435,402.00. (May 1, 2009 - April 30, 2012).

Tintera, George Dunkin, Hutchings, Nadina Duran, "Quantitative Experience for Decision Making," Sponsored by Teacher Quality Grants Program, Texas Higher Education Coordinating Board, State, \$86,999.00. (2008 - 2009).

Young, Elaine (Principal), Tintera, George Dunkin (Co-Principal), Bruun, Cilla Faye (Co-Principal), "Problem Solving: Discrete to Continuous Mathematics," Sponsored by Teacher Quality, State, \$86,990.00. (May 1, 2008 - June 30, 2009).

Tintera, George Dunkin, Hutchings, Nadina Duran, "Statistics, Probability and Modeling for Teachers," Sponsored by Teacher Quality Grants Program, Texas Higher Education Coordinating Board, State, \$84,981.00. (2006 - 2007).

Tintera, George Dunkin, Tintera, Pingjung, "The Math in Museums Project," Sponsored by Texas Higher Education Coordinating Board, State, \$79,000.00. (2002 - 2003).

Tintera, George Dunkin, Heinz, Karen, "The PROPS Project (PRoMoting Problem Solving)," Sponsored by Texas Higher Education Coordinating Board, State, \$69,949.00. (2001 - 2002).

Tintera, George Dunkin, "Developing Freshman's Interest in Agricultural Research and Careers," Sponsored by USDA, Federal, \$149,973.00. (2000 - 2002).

Tintera, George Dunkin, Patterson-Mcneill, Hol, "Real World Mathematics Project," Sponsored by Texas Higher Education Coordinating Board, State, \$160,000.00. (1998 - 1999).

SERVICE

Professional

NCTM Liaison, Coastal Council of Teachers of Mathematics. (July 2006 - July 2014).
Member, AVATAR. (August 2013).

Read AP Calculus Exams, Educational Testing Services. (June 2013).
Officer, Vice President, Texas Association of Academic Administrators in the Mathematical Sciences. (June 2011 - June 2013).
Level II Director, Texas Section of the Mathematical Association of America. (June 2010 - June 2013).