

CURRICULUM VITA
FOR
MARCUS MC WATERS

EDUCATION:

<u>Institution</u>	<u>Field of Study</u>	<u>Degree</u>	<u>Date</u>
Louisiana State University New Orleans	Major: Mathematics Minor: Physics	B.S.	1962
University of Florida	Major: Mathematics Minor: Philosophy	Ph.D.	1966

EMPLOYMENT:

Chair	1998-present	University of South Florida
Associate Chair	1994-1998	University of South Florida
Associate Professor	1971-present	University of South Florida
Assistant Professor	1966-1971	University of South Florida
Graduate Fellow	May-September 1966	University of Florida
Graduate Assistant	1963-1966	University of Florida
Graduate Assistant	1962-1963	Louisiana State University Baton Rouge, LA

RESEARCH AND CREATIVE ACTIVITIES:

Publications:

Books:

1. Elements of Calculus with Contemporary Applications; H.B.J. (co-authored by J. H. Reed).
2. Intermediate Algebra, D.C. Heath (co-authored by Y.F. Lin).
3. College Algebra (with J.S. Ratti), Pearson, 2008.
4. College Algebra and Trigonometry (with J.S. Ratti), Pearson, 2008.
5. Precalculus (with J.S. Ratti), Pearson, 2008.
6. Precalculus: A Unit Circle Approach (with J.S. Ratti), Pearson, 2010.
7. Trigonometry (with J.S. Ratti), Pearson, 2010.
8. College Algebra, 2nd Edition (with J.S. Ratti), Pearson, 2010.
9. College Algebra and Trigonometry, 2nd Edition (with J.S. Ratti), Pearson, 2010.
10. Precalculus: A Right Triangle Approach, 2nd Edition (with J.S. Ratti), Pearson, 2010.

Research Publications:

1. Arcs, Semigroups and Hyperspaces, Canadian Journal of Mathematics, Vol.20, No. 5 (1968), pp. 1207-1210.
2. A note on Topological Semilattices, The London Mathematical Journal 2, I (1969), pp. 64-66.
3. Retractions and Quasi-Monotone Mappings of Unicoherent Spaces, (with J.H. Reed), Proc. Amer. Math. Soc., Vol. 33, No. 2 (1972), pp. 557-561
4. Some Continua Admitting Only Trivial Multiplications, (with J.H. Reed), Semigroup Forum, Vol. 3 (1971), pp. 89-91.
5. Semi-locally connected spaces and Unicoherence, (with J.H. Reed), Fundamenta Mathematica, (XX), No. 8 (1972), pp. 657-661.
6. On the triviality of the Law $(sy)zx = yz$, (with Y.F. Lin), The London Math. Journal, Vol. 5, No. 18 (1972), pp. 276-278.
7. Infinitesimal rotations (with A.D. Snider), American Journal of Physics 48 (3), (1980), pp. 250-251.

DIGITAL & COMPUTATIONAL VIDEO:

Founding member. USF Center for Digital & Computational Video.

Member of Program Committee, First USF International Workshop on Digital & Computational Video, December 10, 1999.

Program Chair, Second USF International Workshop on Digital & Computational Video. February 8, 2001.

Co-Director for Tom McKinley, a Ph.D. candidate in the Digital & Computational Video program.

3D Reconstruction From a Stereo Pair Without the Knowledge of Intrinsic or Extrinsic Parameters (co-authored with T.J. McKinley and V.K. Jain), presented at DCV'01, February 8, 2001.

COMPUTER – AIDED INSTRUCTION:

Received a \$145,000 grant from Apple Computer to build a computer lab.

Trained at Apple Corporate Headquarters at Rocky Point in networking and interfacing Local Area Networks with mainframe computers.

Developed instructional software.

Presentation given at the Joint Louisiana/Mississippi Section of the Mathematical Association of America in Spring 1990 entitled "Short Course I – Implementing a Computer-Based Math Lab to Supplement Classroom Instruction.