

CURRICULUM VITAE

JAMES LI-MING WANG

**Department of Mathematics
University of Alabama
Box 870350
Tuscaloosa, AL 35487-0350**

EMPLOYMENT

**Professor, The University of Alabama, 1985-present
Associate Professor, The University of Alabama, 1979-1985
Assistant Professor, The University of Alabama, 1976-1979
Adjunct Assistant Professor, U.C.L.A., 1975-1976
Lecturer, U.C.L.A., 1974-1975
American Mathematical Society Postdoctoral Fellow, 1974-1975
Teaching Assistant, Brown University, 1973-1974, 1971-1972
Research Fellow, Aarhus University, Aarhus, Denmark, 1972-1973
Teaching Assistant, National Taiwan University, Taiwan, 1969-1970**

DOCTORAL DISSERTATION

**An approximate Taylor's Theorem for $R(X)$
Advisor: Professor Andrew Browder, Brown University**

FIELDS OF SPECIALIZATION

Analysis (Complex Analysis, Functional Analysis)

FELLOWSHIPS & GRANTS

**Teaching Grant for Mathematics, A & S, University of Alabama, 2003-2004
Cecil and Ernest Williams Fund Enhancement Award, 1997-1998
Alabama EPSCoR Travel Award, 1996
Alabama EPSCoR Travel Award, 1995
Alabama EPSCoR Visiting Scholar Award (for bringing in Dr. James Chang, joint proposal with Z. Wu), 1994
Alabama EPSCoR Travel Award, 1993
National Science Council Research Grant, Republic of China, 1988
National Science Council Research Grant, Republic of China, 1982-1983**

University of Alabama Research Grant, 1979-1980
National Science Foundation Research Grant, 1977-1979
National Science Foundation Research Grant, 1976-1977
American Mathematical Society Research Fellowship, 1974-1975

REFERENCE

Professor Andrew Browder, Brown University
Professor John Wermer, Brown University
Professor Theodore W. Gamelin, U.C.L.A.
Professor John Garnett, U.C.L.A.
Professor Ky Fan, U.C. Santa Barbara
Professor A.G. O'Farrell, Maynooth College, Ireland

SERVICE

Reviewer, National Science Foundation, Mathematical Science Section
Reviewer, Mathematical Review

MEMBERSHIP

American Mathematical Society

RECENT INVITED PRESENTATION

National Taiwan University, May 18, 2015, Taipei, Taiwan
Academia Sinica and National Taiwan University, Joint Math Meeting, October 28, 2013, Taipei, Taiwan
Academia Sinica Analysis Seminar, July 18, 2006, Taipei, Taiwan
Tamkang University Analysis Seminar, July 17, 2006, Taipei, Taiwan
Conference on Harmonic Analysis and Related Areas, Nov. 19-20, 2004, Auburn, 20-minute speaker
Conference on Harmonic Analysis and Related Areas, Nov. 22-23, 2002, Auburn, 20-minute speaker
Conference on Harmonic Analysis and Related Areas, Dec. 14-15, 2001, Auburn, 20-minute speaker
Conference on Harmonic Analysis and Related Areas, Nov. 17-18, 2000, Auburn, 20-minute speaker
Southeastern Analysis Meeting, March 16-18, 2000, University of Virginia, Charlottesville, Virginia, 20-minute speaker
Conference on Harmonic Analysis and Related Areas, Dec. 10-11, 1999, Auburn, 20-minute speaker

Brown University Analysis Seminar, April 1, 1998, Providence, R.I.
Conference on Harmonic Analysis and Related Areas, Dec. 19-20, 1997, Auburn,
20-minute speaker
Southeastern Analysis Meeting, March 14-16, 1997, University of Florida, Gainesville,
Florida, 20-minute speaker
Conference on Harmonic Analysis and Related Areas, Nov. 21-23, 1996, Auburn,
20-minute speaker
Southeastern Analysis Meeting, March 15-17, 1996, Richmond University, Richmond,
Virginia, 20-minute speaker
Colloquium Speaker, May 15-June 30, 1995, Academia Sinica, Taipei, Taiwan
27th SSST, Miss. State University, March 13-14, 1995, 30-minute speaker
Southeastern Analysis Meeting, March 3-5, 1995, George Tech. University,
20-minute speaker
Conference on Harmonic Analysis and Related Areas, Oct 14-15, 1994, Auburn,
20-minute speaker
Conference on "The Interaction Between Functional Analysis, Harmonic Analysis,
and Probability", May 30-June 3, 1994, University of Missouri, 30-minute speaker
Southeastern Analysis Meeting, March 4-6, 1994, Virginia Tech. University,
20-minute speaker
Conference on Harmonic Analysis and Related Areas, Dec 16-18, 1993, Auburn,
20-minute speaker
Colloquium Speaker, May 18-25, 1993, Fuzhou University, China
Colloquium Speaker, May 17, 1993, Fudan University, China
Colloquium Speaker, May 10-15, 1993, East Normal University, China

PUBLICATIONS

A. REFERRED JOURNAL

- 1. An approximate Taylor's theorem for $R(X)$, Math. Scan., 33(1973), 343-358**
- 2. Modulus of approximate continuity for $R(X)$, Math. Scan., 34(1974), 219-225**
- 3. Strongly regularity at non-peak points, Proc. Amer. Math. Soc., 51(1975), 141-142**
- 4. A density theorem fro $R(X)$, Bull. Math. Academia Sinica, 5(1977), 99-103**
- 5. A note on modulus of approximate continuity of $R(X)$, Rocky Mountain J. Math. 9(1979), 755-759**
- 6. Approximation on boundary sets, Canadian Math. Bull., 22(1979), 377-379**
- 7. An example concerning parts and Newtonian capacity, Proc. Amer. Math. Soc., 75(1979), 218-220**
- 8. Approximation by rational modules on nowhere dense sets, Pac. J. Math., 80(1979), 293-295**
- 9. Approximation by rational modules on nowhere dense sets, Pac. J. Math., 92(1981), 237-239**
- 10. Uniform approximation by rational modules on nowhere dense sets, Proc. Amer. Math. Soc., 81(1981), 62-64 (joint work with T. Trent)**
- 11. The uniform closure of rational modules, Bull. London Math. Soc., 13(1981),**

- 415-420 (joint work with T. Trent)
12. Rational modules and higher order Cauchy transforms, *Int. J. of Math. and Math. Sciences*, 4(1982), 661-665
 13. Approximation by rational modules in Lip norms, *Ill. J. Math.*, 26(1982), 632-636
 14. $P^2(\mu)$ and bounded point evaluations, *Proc. Amer. Math. Soc.*, 91(1984), 421-425 (joint work with T. Trent)
 15. Separating sequences and divergent series, *Bull. Math. Academia Sinica*, 12(1984), 399-404
 16. A separating problem on function spaces, *J. Math. Anal. Appl.*, 111(1985), 177-187 (joint work with Y. S. Chow and T. Trent)
 17. A localization operator for rational modules, *Rocky Mountain J. Math.*, 19(1989), 999-1002
 18. Mergelyan-Vitushkin approximation for rational modules, *J. of Approximation Theory*, 63(1990), 368-374
 19. Approximation by rational modules in L^p and BMO, *J. Math. Anal. Appl.*, 160(1991), 19-23
 20. Rational modules and Cauchy transforms, II, *Proc. Amer. Math. Soc.*, 115(1992), 405-408
 21. Minimum solution of $\bar{\partial}^{k+1}$ and middle Hankel operators, *J. Functional Analysis*, 118(1993), 167-187 (joint work with Z. Wu)
 22. Optimal eigenstructure assignment using closed loop controllability conditions, *Proceedings 27th SSST, 1995*, 243-246 (joint work with M. Chang)
 23. Images of Hankel operators, *Integr. Equ. Oper. Theory*, 28(1997), 87-96 (joint work with Z. Wu)
 24. Clifford valued BMO in Bergman metric and Hankel operators, *Adv. Appl. Clifford Algebras* 11 (2001), no. S1, 159-170 (joint work with Z. Wu)
 25. Multipliers between BMO spaces on open unit ball, *Integr. Equ. Oper. Theory*, 45(2003), 231-249 (joint work with Z. Wu)

B. REFERRED CONFERENCE PROCEEDING

1. A Mergelyan-Vitushkin approximation theorem, *Proc. of the Symposium on Algebra, Analysis and Geometry*, World Scientific Publication, 1989

C. OTHER PUBLISHED WORK

1. "Effect of Microenvironment on Species Distribution Pattern in Regeneration Layer of Forest Gaps", with Professor Jinfu Liu (published in PLOS ONE, 2016)