

Curriculum Vitae

Name Wang, Kun-yang; Sex Male; Birthday September 21,1943

Education

1961–1966 Student, Department of Mathematics,
Beijing University
1981 Master of Sci., Beijing Normal University
1985 Ph.D degree, Beijing Normal University

Working and Visiting experience

1968—1977 Associate Engineer, Xing Tai City, Hebei province
1978—present Teacher, Department of Mathematics,
Beijing Normal University
Dec. 9,1988 Visiting Fellow, Department of Mathematics,
—April 30, 1989 Siegen University, Germany
May 1,1989 Visiting Fellow, Department of Mathematics,
—March 27,1990 Bielefeld University, Germany
March 30,1990 Research Associate, Department of Pure Mathematics,
—Dec. 27,1990 University of New South Wales, Australia
1991–present Professor, Department of Mathematics,
Beijing Normal University
Dec., 1992 Research Associate, Department of Pure Mathematics,
—Dec.,1993 University of Adelaide, Australia
July, 1994 Visiting Fellow, Department of Mathematics,
—August, 1994 Alberta University, Canada
July, 1995 Visiting Fellow, Department of Mathematics,
—August, 1995 University of Adelaide, Australia
Sep. 1,1997 Steklov Institute of Mathematics
—Sep. 11,1997 Academy of Russia, Moscow Russia
May 30,1998 Institute of Mathematics,
— June 10,1998 National Academy of Sciences of Ukraine, Kiev
June 30,1998 Department of the University of Sydney, and Department
— Oct. 7, 1998 of the University of New England, NSW, Australia
May 26,1999 Conference on the Approximation Theory and Applications,
— June 1,1999 Report: On the Fourier-Laplace a.e. convergence,
Institute of Mathematics, NAS of Ukraine, Kiev.
Feb. 26, 2000 International Conference "Approximation of functions and operators"
— March 4, 2000 Ekaterinburg, Ural branch, RAS.
Report: Harmonic analysis and approximation on the unit sphere
Dec. 2001 International Conference of Chinese Mathematicians,
— Dec. 2001 Taipei, Taiwan
June 8, 2002 Department of Mathematics, The Central University of Taiwan,
—July 7, 2002 Invited by Professor Lin Chin-cheng, Xinzhu, Taiwan
July 9, 2002 Department of Mathematics, The University of Kiel, Germany (9-14/7)
—July 20, 2002 Conference of Real Analysis, Oberwolfach, Germany (15-20/7)
Feb. 2003 Invited by Gavin Brown, The University of Sydney, Australia
—July, 2003
June 24, 2005 Invited by Dai Feng, The University of Alberta, Edmonton, Canada
—July 24, 2005
March 3, 2007 Conference of Expansions, Inequalities and Approximations
—March 9, 2007 Invited by Gavin Brown, The University of Sydney, Australia

Professional Post

1983 Lecturer
1986 Associate Professor
1991 Professor
1993 Supervisorship of Ph.D student

Research field Harmonic analysis and approximation theory

Publications

Books:

1. Bochner-Riesz Means (with Lu, Shangzhen), (Chinese)
Beijing Normal University Press, 1988
2. Harmonic Analysis and Approximation on the Unit Sphere
(with Li, Luoqing), Science Press, Beijing, 2000
3. Concise Mathematical Analysis, (Chinese textbook for undergraduate students),
High Education Press, Beijing 2000
4. Investigation on Several Topics in Mathematical Analysis (Chinese textbook for
students who want to be promoted to university level from college level), High
Education Press, Beijing 2000
5. Real Analysis (with Lu Shanzhen), (Chinese textbook for graduate students) Press
of BNU, 1st ed. 1997, 2nd ed. 2006
6. Lecture on Functional Analysis (second edition, with Sun Yongsheng),(Chinese text-
book for graduate students) Press of BNU, 2007

Research Papers published in the recent 5 years (2005—2008):

1. Extensions of Vietoris's Inequalities I, (with G.Brown, Dai Feng) *Advances in Mathematics*
(Chinese journal), 341(2005), 125-127
2. Extensions of Vietoris's Inequalities II, (with G.Brown, Dai Feng)
Advances in Mathematics (Chinese journal),342(2005), 253-255
3. Strong approximation by Cesàro means with critical index in the Hardy spaces $H^p(S^{p-1})$ ($0 < p \leq 1$), (with Dai Feng)
Acta Mathematica Sinica, English series, Vol. 21, No.2, (2005), 439-448
4. A NOTE ON A PAPER OF H. ALZER AND S. KOUMANDOS,
Journal of Inequalities in Pure and Applied Mathematics, Vol.7, Issue 2, Art. 46, 2006
5. Recent progress on spherical harmonic approximation made by BNU research group,
ATA, Vol.23(2007),No.1,53-63
6. A covering lemma on the Unit Sphere and Application to the Fourier-Laplace Convergence
(with Huang Rong),
Acta Mathematica Sinica, English Series Vol.23 (2007) No.7, 1327-1332
7. On positive cosine sums (with G.Brown, Dai Feng),
Math.Proc.Camb.Phil.Soc. (2007),142,219-232
8. Extensions of Vietoris's Inequalities I, (with G.Brown, Dai Feng)
Ramanujan J. (2007)14: 471-507
9. Convergence rate of spherical harmonic expansions of smooth functions (with Dai
Feng), *J. Math. Anal. Appl.* **348** (2008), no. 1, 28-33.
10. Estimations of the remainder of spherical harmonic series(with Xirong Chang and
Feng Dai), *Math. Proc. Cambridge Philos. Soc.* **145** (2008),no. 1, 243-255.