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My curriculum vitae

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I was born on 16th October 1965 in Lianshui, Jiangsu, China. At the age of 18 I graduated from Changzhou senior high school and entered Nanjing University, where I continued my further education as an undergraduate in the Geology department from 1983 to 1987. In my undergraduate days I studied number theory together with my twin brother Zhi-Wei Sun, who studied in the Mathematics department of the same university at that time. After getting my bachelor's degree, I continued to study in the Geology department of Nanjing University as a post graduate student. In October of 1988 I transferred to the Mathematics department to study combinatorics under Professor Zhang Kemin. In July 1990 I obtained a Master's degree in mathematics and came to work in the Mathematics department at Huaiyin Teachers College. Since then I have taught the following mathematical courses: elementary number theory, graph theory, combinatorics, discrete mathematics, modern algebra, group theory, higher geometry, mathematical analysis, ordinary differential equations, real functions, mathematical methodology, numerical analysis, probability theory and statistics, and history of mathematics. From Sep. 1994 to July 1995 I visited The University of Science and Technology of China for about one year, and visited Tongji University from Sep. 2001 to Jan. 2002. From May 2004 to May 2005, I visited Carleton University in Canada. I became a lecturer in 1992, an associate professor in 1998, and a full professor in 2004.

I like mathematics very much, and want to be a mathematician. L. Euler is my hero. During my undergraduate days I mainly studied covering systems with my brother. When I was a postgraduate, I studied combinatorial sum, Lucas sequences, congruences, special functions, Ramsey numbers and Turan's problem in extremal graph theory. From 1990 and onwards, I began to study congruences for Bernoulli and Euler numbers, congruences concerning Lucas sequences and Legendre polynomials, invariant sequences under binomial transformation, linear recurring sequences, primality tests, cubic, quartic and octic residues, cubic and quartic congruences, and binary quadratic forms. So far, I have published 45 papers in SCI(E) journals. I also have many unpublished results which were recorded in my mathematical diaries. Wall-Sun-Sun prime bears my name based on my joint paper with Zhi-Wei Sun in 1992. Since 2004 I have been a member of American Mathematical Society.

My research style is quite different from most mathematicians'. After understanding mathematical problems, I usually calculate many examples and then pose conjectures. In

this way I made most of my discoveries. The final proofs of my conjectures are always based on precise calculating techniques, sometimes based on complicated calculations. So I got inspiration from computations and hence worked like Euler and Ramanujan.