1. Record Nr. UNINA9910845480403321 Autore Wang Yuan Titolo My Mathematical Life [[electronic resource]]: Yuan Wang in Conversation / / by Yuan Wang Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2024 Pubbl/distr/stampa **ISBN** 981-19-3551-3 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (114 pages) Collana Springer Biographies, , 2365-0621 Disciplina 510.92 Soggetti Mathematics History Number theory Numerical analysis **Statistics** General Mathematics and Education History of Mathematical Sciences **Number Theory Numerical Analysis** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Preface -- Introduction -- Childhood -- High School -- University --Connection with Number Theory -- Sieve -- Applied Mathematics Explored -- Lost Memories -- Back to Math -- Dabbling in Mathematical Statistics -- A Sip of Mathematics History -- When the Curtain Falls. Sommario/riassunto This book is an autobiographical interview with Chinese Academician Yuan Wang on his experience in mathematical research. In the book Wang's way of studying Goldbach conjecture is revealed in detail from motivation to method; Wang's approach and viewpoint of doing applied mathematics are described by the research cases of his applying number theoretic method to numerical integration and mathematical statistics. Wang's work on algebraic number theory is traced back in a

separate chapter. The book ends with two chapters which introduce Wang's interest in history of mathematics and his hobbies outside of mathematical research and show how a mathematician can in the same

time be a historical and popular science writer and, in particular, a well-received calligrapher. The book is intended for undergraduate and graduate students studying number theory and its applications, researchers who are willing to learn from the experience of an established mathematician, as well as math amateurs and general audience who are interested in Wang's life story.