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Zengxiang Tong* (ztong@otterbein.edu), Zengxiang Tong, Department of Mathematical Sciences, Otterbein College, Westerville, OH 43081. *Proofs of the infinity of prime numbers.*

In addition to Euclid's proof, about 10 more different proofs of the infinity of prime numbers are presented. Different proofs come from different areas of mathematics, e.g., Calculus, Combinatorics, Abstract Algebra, and Topology, etc. This presentation is understandable to undergraduate students, and will deepen their appreciation of the power, beauty and integrity of mathematics. (Received May 11, 2000)