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**Robert E. Bradley\*** (bradley@adelphi.edu), Adelphi University, Dept. of Mathematics & Computer Science, 1 South Ave., Garden City, NY 11530. *The Transition from Euler to Cauchy: The Case of Recurrent Series.*

Euler and Cauchy both treat recurrent series, Euler in the *Introductio in analysin infinitorum* of 1748 and Cauchy in the *Cours d'analyse* of 1821. Their treatments are quite different, and those differences reflect the extensive transitions that had occurred in mathematics during the intervening decades. We compare and contrast these treatments, and use them to illuminate how the nature of mathematics had changed. (Received August 13, 2008)