962-40-1408   **Tewodros Amdeberhan*** (`tewodros@math.temple.edu`), 630 US Highway one, North Brunswick, NJ 08902. *Series acceleration and irrationality proofs.*

We will demonstrate a rapid series acceleration method which in turn is applicable towards proving irrationality of numbers giving by infinite series. Construction of a two-parameter family of series from a given infinte sum will be shown. (Received October 03, 2000)