

1018-01-231 **V. Frederick Rickey*** (fred-rickey@usma.edu), Department of Mathematical Sciences, U.S. Military Academy, West Point, NY 10996. *Euler's Introductio of 1748*.

Leonhard Euler's *Introductio in analysin infinitorum* is a seminal book that helped to rework the calculus into the form that we use today. For a century after its publication in 1748 it was widely read by aspiring mathematicians. Today, thanks to John Blanton, it is available in English translation. To encourage aspiring historians to read this famous work, a reader's guide has been prepared. It summarizes the contents of the individual chapters of the *Introductio*, explains points that the reader might miss, points out antecedents of the work, and details how the work influenced later mathematics. We will discuss a few of the highpoints of the book. (Received March 07, 2006)