

1046-X1-1883 **Robert Sachs*** (rsachs@gmu.edu), Department of Mathematical Sciences, George Mason University, MSN 3F2, Fairfax, VA 22030. *Teaching series convergence effectively.*

The experience of teaching power series in high school to highly advanced students in a later course (complex analysis) over the past eight years has led me to present the material in a somewhat novel way. Emphasizing the relative size of terms cuts through the fog. The key ideas apply to real power series directly. The starting point is to recognize the exponential nature of the geometric series. The size of $n!$ enters as well. My university teaching of calculus using this approach has been very successful with a general university student population also. (Received September 16, 2008)