

1035-33-1221 **Daniel W. Lozier*** (daniel.lozier@nist.gov), 100 Bureau Drive, Gaithersburg, MD
20899-8910. *Asymptotics in the NIST Digital Library of Mathematical Functions.*

The NIST Digital Library of Mathematical Functions (DLMF) is being constructed to replace the well-known and highly successful NBS Handbook of Mathematical Functions, edited by Abramowitz and Stegun. It will be distributed as a published handbook and from a Web site with search, visualization, and active links. This talk by the DLMF General Editor will discuss the mathematical coverage, including the prominent role of asymptotics, and demonstrate how the Web interface can augment the traditional manner of access to mathematical reference information. (Received September 19, 2007)