1035-05-1297   **Sam Northshield*** (`samuel.northshield@plattsburgh.edu`), Dept. of Mathematics, SUNY, Plattsburgh, NY 12901. *Zeta functions of infinite graphs.* Preliminary report.

In this mostly expository talk, I will discuss recent attempts to define the Ihara zeta function for infinite graphs (in particular, work by Grigorchuk and Zuk, Cooper and Prassidis, Clair and Mokhtari-Sharghi, and Guido, Isola, and Lapidus). I will discuss these (as well as my own attempts) in the context of the universal covering tree of the graph and the related concepts of 'cogrowth' and 'quasi-regularity'. (Received September 19, 2007)