1044-05-42   **Ralph Faudree*** (`rfaudree@memphis.edu`), Office of the Provost, 360 Administration Building, University of Memphis, Memphis, TN 38152. *Path Spectrum Sets.*

A path in a graph is maximal if it is not a proper subpath of any other path of the graph. The *Path Spectrum* of a graph is the set of lengths of all maximal paths in the graph. A set of positive integers is an *Absolute Path Spectrum* if there are an infinite number of graphs with that Path Spectrum. Known results on the path spectrum will be summarized, some new results on Non-Path Spectrum Sets, and new results on Absolute Path Spectrum Sets will be presented. (Received August 04, 2008)