

1086-VN-2115 **Janine E. Janoski*** (janinejanoski@kings.edu), **Neil J. Calkin**, **Allison Nelson**, **Sydney Ryan** and **Chao Xu**. *Sprague-Grundy Numbers for Nim on Graphs*.

We discuss the game of Nim played on various graphs. The game is played by selecting a vertex and removing some subset of edges from that vertex. The player to remove the last edge of the graph wins. We analyze the Sprague-Grundy numbers for generalized spider graphs. (Received September 24, 2012)