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**Luke F Naftz\*** (lfnftz@gmail.com) and **Tyler Hays**. *The Edge Coloring Game on Extended Stars*.

The edge coloring game is a two-player game that is played on the edges of a graph  $G$ , with  $\Delta(G) = \Delta$ . We consider this game on a class of graphs called extended stars and partially extended stars. If  $G$  is an extended star, we will show the game chromatic index of  $G$  is  $\Delta + 1$ . We briefly consider the class of partial extended stars. If the graph  $G$  is a partially extended star, we show the game chromatic index of  $G$  is  $\Delta + 1$  or  $\Delta$ , depending on the structure. (Received September 12, 2012)