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**Beth Malmskog\*** (malmskog@math.colostate.edu), 527 E. Prospect, Fort Collins, CO 80525,  
and **Michelle Manes**. *Ihara Zeta Functions and Some Ramified Covers of Graphs*.

The Ihara zeta function of a graph was defined in the 1960s and shares some properties with other zeta functions, including convergence to a rational function. This poster presents an "almost" divisibility relationship between the Ihara zeta functions of some ramified covers of graphs, proven in collaboration with Michelle Manes. Background material, important examples, and the main ideas of the proof of our main result are presented, highlighting example graphs of concepts when relevant. (Received August 14, 2009)