1047-16-31   **Ryan Kinser*** (`kinser@umich.edu`). *Rank functions and quiver representations.*

A quiver is a finite directed graph, and a representation of a quiver is an assignment of a vector space to each vertex and linear map to each arrow. I will discuss the "rank" of a quiver representation, which is a numerical invariant generalizing the rank of a linear map, and some applications. (Received December 08, 2008)