1127-05-106 **David E Speyer*** (speyer@umich.edu), 530 Church Street, Ann Arbor, MI 48109-1043, and **John Wiltshire-Gordon**. *The reduced quiver of the category of finite sets.* Preliminary report.

Representation stability is now often understood through the representation theory of the category FI, finite sets with injections. Sam and Snowden showed that this is equivalent to the representations of the quiver with relations which has a vertex for every partition, an edge for adding a box, and the relations that any two paths between partitions λ and μ are equal to each other, and equal to zero if $\mu \setminus \lambda$ is not a horizontal strip. Recent progress has also made use of the category of all maps of finite sets. I will describe work in progress with John Wiltshire-Gordon, attempting to give a similar quiver description of the category of finite sets. (Received January 26, 2017)