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Steven Klee*, Seattle University Department of Mathematics, 901 12th Avenue, Seattle, WA 98122, and **Matthew Stamps**. *Graded Betti numbers of cycle graphs and standard Young tableaux.*

We consider the cycle graph on n vertices, viewed as a 1-dimensional simplicial complex. Minimal free resolutions of the Stanley-Reisner ideals of these graphs have been widely studied from the perspectives of combinatorics, algebra, and topology. In this talk, we will discuss a bijective proof showing that the Betti numbers of the resolution are given by the number of standard Young tableaux of a certain shape. (Received August 07, 2015)