

1052-05-185

David Little* (dlittle@math.psu.edu), Mathematics Department, Penn State University,
University Park, PA 16802. *Some Fine Combinatorics.*

In 1988, N. J. Fine published a monograph entitled *Basic Hypergeometric Series and Applications* in which he proved a number of results concerning the series $F(a, b; t : q)$. In this talk, we present a new combinatorial interpretation for the series $F(a, b; t : q)$ and use Fine's work as a guide for proving the Rogers–Fine identity and many of its properties in this setting. (Received August 27, 2009)