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Shishuo Fu* (fu@math.psu.edu). *A bijective proof of Bressoud's Conjecture related to the Rogers-Ramanujan Identities.*

The Rogers-Ramanujan Identities have many natural and significant generalizations. The generalization presented in this paper was first studied by D. Bressoud, by considering the partitions he named as "footed partition". A bijective proof to his conjecture is given and some examples are attached in the end. (Received August 26, 2009)