Seung H. Son* (sson@uccs.edu), 1420 Austin Bluffs Parkway, Colorado Springs, CO 80933.

Ramanujan's symmetric theta functions and their equations.

Ramanujan's symmetric theta functions satisfy many functional equations. We examine a few equations of central importance in the theory of modular equations. Some equations have nice refinements or generalizations and we present a few cases. (Received February 14, 2007)