1051-17-192   **W. Andrew Pruett*** (`drew_pruett@baylor.edu`), 2114 Rawhide Trail, Temple, TX 76502, and **Markus Hunziker** (`markus_hunziker@baylor.edu`), Baylor University, Waco, TX 76702.
Applications of generalized Young diagrams for Hermitian symmetric spaces.

Using a generalization of Young diagrams, we give a unified description of the BGG resolutions of unitary highest weight modules. These diagrams also give a uniform closed form construction of R-polynomials, allowing a proof of combinatorial invariance in the Hermitian symmetric case. (Received August 24, 2009)