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Rieuwert J. Blok* (rblok@bgsu.edu). *Highest weight modules and polarized embeddings of shadow spaces.*

Let Δ be the spherical building with diagram M over an index set $I = \{1, 2, \dots, n\}$ associated to a group G of Lie type via its BN-pair. Fix a proper subset $K \subset I$. The Weyl module V for G of highest weight $\sum_{k \in K} \lambda_k$ affords an embedding for the K -shadow space of Δ . We discuss some algebraic and geometric properties of this embedding. (Received September 02, 2012)