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1014-00-252   **Matthew J Beswick*** (`matthew@math.ksu.edu`), Department of Mathematics, Kansas State University, Manhattan, KS 66506. *Weyl filtration dimension of simple modules with p-singular highest weights for some low rank Algebraic groups* Preliminary report.

Let $L(\lambda)$ and $\Delta(\lambda)$ be the simple and Weyl modules of highest weight λ for an algebraic group of type B_2. In this paper intertwining morphisms are used to compute the Weyl filtration dimension of $L(\lambda)$ for p-singular weights inside the p^2-alcove. In addition, a formula for the Weyl filtration dimension of the simple and induced modules for SL_2 is given and in this case they are shown to be equal.

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