

František Marko *Simple modules for Schur superalgebra $S(2|2)$*

Abstract: We will describe explicitly simple modules for Schur superalgebra $S(2|2)$ over an algebraically closed field K of positive characteristic $p > 2$. Additionally, we determine all decomposition numbers in the process of modular reduction of simple $S(2|2)$ -modules of restricted highest weight.