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Jonathan Axtell* (axtell.jonathan@gmail.com), Department of Mathematics, 396 Carver Hall, Ames, IA 50011. *On Schur Superfunctors.*

We discuss super-analogues of the Schur functors defined by Akin, Buchsbaum and Weyman. Our construction realizes Schur superfunctors as objects of a category of strict polynomial superfunctors. We show that they are indecomposable objects and provide a decomposition of Schur bisuperfunctors in terms of tensor products of Schur superfunctors. These superfunctors may be viewed as characteristic-free analogues of finite-dimensional atypical irreducible modules of the Lie superalgebra $\mathfrak{gl}(m, n)$ studied by Berele and Regev. (Received September 09, 2014)