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**Weiqiang Wang\*** (ww9c@virginia.edu), Department of Mathematics, University of Virginia, Charlottesville, VA 22904, and **Lei Zhao**. *Representations of Lie superalgebras in prime characteristic*.

This is part of thesis of Lei Zhao at University of Virginia. We formulate a generalization of the celebrated Kac-Weisfeiler conjecture (= Premet's theorem) for Lie algebras to the setup of Lie superalgebras. We further establish the conjecture for the basic classical Lie superalgebras which include the  $\mathfrak{gl}$  and  $\mathfrak{osp}$  type. (Received January 23, 2008)