1120-41-268 Radu Balan (rvbalan@math.umd.edu), Department of Mathematics, University of Maryland, College Park, MD 20742, and Dongmian Zou* (zou@math.umd.edu), AMSC Program, University of Maryland, College Park, MD 20742. Lipschitz properties for deep networks. Preliminary report.

In this talk we review stability properties of deep neural networks. In particular we look possibility of using families of nonlinear functions, and their analytic properties. (Received February 23, 2016)