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Angel Eduardo Gatto* (aegatto@depaul.edu), DePaul University, Department of Mathematics, 2320 N. Kenmore Av., Chicago, IL 60614. *“Boundedness of Singular Integrals associated to non-doubling measure metric spaces on Lipschitz spaces and Krein Theorem.*

In this talk we present necessary and sufficient conditions for the boundedness of singular integrals associated to non-doubling measure metric spaces on Lipschitz spaces. We also show how these results imply boundedness in L^2 by applying Krein Theorem. (Received February 20, 2010)