

962-58-178

**William Beckner\*** ([beckner@math.utexas.edu](mailto:beckner@math.utexas.edu)), Department of Mathematics, University of Texas at Austin, Austin, TX 78712. *Logarithmic Sobolev inequalities, hypercontractivity and the Poisson-Szëgo semigroup*. Preliminary report.

This paper treats some problems related to analysis on the boundary of a complex manifold and logarithmic Sobolev inequalities. (Received August 22, 2000)