

**PROBABILITY MEASURES WITH  
A SQUARE SUMMABLE SUPPORT**

AUREL STAN

ABSTRACT. We present a characterization of probability measures, on  $R^d$ , with a square summable support in terms of their preservation operators and the commutators between their annihilation and creation operators.

DEPARTMENT OF MATHEMATICS, THE OHIO STATE UNIVERSITY, MARION, OH 43302  
*E-mail address:* `stan.7@osu.edu`