1145-44-686   **Florin Catrina*** (`catrinaf@stjohns.edu`) and **Aurel I. Stan**. *On the hypercontractivity of a convolution operator.*

We discuss a convolution operator which appears as an integral representation of the Wick product on $L^p(\mathbb{R}, \mu)$ spaces where the probability measure μ has a Gamma distribution. The hypercontractivity of this operator is tightly connected to inequalities of Brascamp-Lieb type. (Received September 12, 2018)