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Florin Catrina* (catrinaf@stjohns.edu) and **Aurel I. Stan** (stan.7@math.osu.edu). *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 03, 2017)