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Zeljko Cuckovic* (zcuckovi@math.utoledo.edu), University of Toledo, Department of Mathematics, 2801 W. Bancroft St., Toledo, OH 43606, and **Trieu Le**, University of Toledo, Department of Mathematics, 2801 W. Bancroft St., Toledo, OH 43606. *Berezin transform on Bergman spaces of polyanalytic functions.*

We are interested in algebraic properties of Toeplitz operators on Bergman spaces of polyanalytic functions on the unit disk. For that reason we study certain properties of the Berezin transform on these spaces. (Received August 22, 2012)