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**Ronald Douglas** (rdouglas@math.tamu.edu) and **Mohammad Jabbari\*** (jabbari@wustl.edu), Department of Mathematics and Statistics, Washington University in St. Louis, 1 Brookings Drive, St. Louis, MO 63130, and **Xiang Tang** (xtang@wustl.edu) and **Guoliang Yu** (guoliangyu@math.tamu.edu). *A New Index Theorem for Monomial Ideals by Resolutions.*

I motivate and state an index theorem for the quotient module of a monomial ideal. This is obtained by resolving the monomial ideal by a sequence of essentially normal Hilbert modules, each of which is a direct sum of weighted Bergman spaces on unit balls. (Received August 24, 2018)