1067-20-370   **Jacek Brodzki**, **Graham A. Niblo** and **Piotr W. Nowak*** (`pnowak@math.tamu.edu`),
                   Department of Mathematics, Texas A&M University, Mailstop 3368 TAMU, College Station, TX
                   77843, and **Nick J. Wright**. *On (co)homological characterizations of exact groups.*

Exactness (also known as Yu's property A) is a weak notion of amenability for groups with very strong applications such as the Novikov conjecture. Nigel Higson asked if exactness can be characterized via homology or cohomology, similarly as amenability. In this talk we will give an answer to Higson's question by characterizing exact groups in terms of bounded cohomology and in terms of uniformly finite homology. Both of these characterization are vast generalizations of classical results due to B.E.Johnson and Block-Weinberger respectively. (Received August 29, 2010)

1