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**Mauricio A. Rivas\*** ([marivas@ncat.edu](mailto:marivas@ncat.edu)). *Breve  $p$ -Laplacian eigenvalue problems*. Preliminary report.

This talk outlines the construction of sequences of variational eigenvalues and eigenvectors for a pair of continuous  $p$ -homogeneous forms on a reflexive Banach space. The approach used here is based on the direct use of various quasi-innerproducts introduced and this leads to a Hilbert-like geometrical description of the eigenproblem. The results are applied to  $p$ -Laplacian type eigenvalue problems subject to various boundary conditions. (Received January 29, 2019)