1135-VQ-1374 **Samuel C Schaub***, 50 S Lincoln St, Washington, PA 15301, and **Ryan S Higginbottom**.

Properties of a generalized determinant.

In this talk we define a determinant for any (not necessarily square) matrix. This function shares many properties with the traditional determinant, including results about nonzero determinants and linearly independent vectors. We will discuss which of the familiar statements in the Invertible Matrix Theorem have analogues for non-square matrices via this generalized determinant. (Received September 21, 2017)