1067-16-1068   **Padmini P Veerapen*** (`pveerapen@uta.edu`), 900 Greek Row Dr Apt 105, Arlington, TX 76013. *A Notion of Rank for Noncommutative Quadratic Forms.*

To every (commutative) quadratic form is associated a symmetric matrix, and one has the standard notions of rank and determinant function defined on the matrix, and, thus, on the quadratic form. In a recent paper by T. Cassidy & M. Vancliff, the notion of quadratic form is extended to the noncommutative setting. In this talk, we will see that a notion of rank (or determinant function) may be defined on such noncommutative quadratic forms. (Received September 17, 2010)