1125-VI-2955   **Cara D. Brooks*** (`cbrooks@fgcu.edu`), 10501 FGCU Blvd South, Fort Myers, FL 33965, and **Alberto A. Condori**, 10501 FGCU Blvd South, Fort Myers, FL 33965. *A Criterion for Normality.* Preliminary report.

In this talk, we discuss a distance formula that can be used as a criterion to determine normality of a matrix. We also establish some consequences related to norm behavior, pseudospectra, and unitary equivalence. (Received September 20, 2016)