1145-VQ-2816   **Ghanshyam Bhatt*** (`gbhatt@tnstate.edu`), 3500 John B Boulvard, Nashville, TN 37221. *The incoherent matrices and their applications.*

The matrices with low mutual column coherence have application in signal processing. The frames are linearly dependent spanning set, that for a fat matrix. These fat matrices with low coherence have applications but are difficult to construct. We provide a simple construction and talk about their application in compressed sesing. (Received September 25, 2018)