1125-VN-690   **Jathan W. Austin*** (`jwaustin@salisbury.edu`), Department of Mathematics & Computer Science, Salisbury University, 1101 Camden Avenue, Salisbury, MD 21801. *Fibonacci Numbers in PTPMs.* Preliminary report.

A matrix for a linear transformation that maps Pythagorean triples into Pythagorean triples is called a Pythagorean-triple-preserving matrix (PTPM). In this talk, we will see how to construct PTPMs whose entries can be expressed in terms of Fibonacci numbers. (Received September 09, 2016)