

1106-VX-124 **Jathan Austin*** (jwaustin@salisbury.edu), Department of Mathematics & Computer Science, Salisbury University, 1101 Camden Avenue, Salisbury, MD 21801. *Generating Pythagorean Triples of a Given Height*. Preliminary report.

The height of a Pythagorean triple is the difference between the hypotenuse of the triple and one of its legs. In this talk, the presenter will show how Pythagorean triples of a given height can be generated using matrices. (Received July 23, 2014)