

1112-13-388

**Bill Robinson\*** (wrobinson@monmouthcollege.edu) and **Uwe Nagel**. *A Determinantal Identity and its Applications to Determinantal Ideals.*

In our study of skew tableau determinantal ideals, we have discovered a versatile determinantal identity. In this talk we will present the new identity and identify a few of its applications. These include constructing elementary biliaisons for various classes of determinantal ideals, and computing Gröbner bases for a special type of skew tableau ideals. (Received August 09, 2015)