

1154-11-1459 **Jennifer Berg*** (jsb047@bucknell.edu) and **Masahiro Nakahara** (mn634@bath.ac.uk). *Conic bundles over positive rank elliptic curves*. Preliminary report.

In this talk, we will explore the arithmetic of conic bundles $X \rightarrow E$ over elliptic curves of positive Mordell-Weil rank over a number field k . We will consider questions regarding the distribution of the rational points of X by examining the image of $X(k)$ inside of the rational points of the base elliptic curve E . In the process, we will mention a result on a local-to-global principle for torsion points on elliptic curves over the rational numbers. This is joint work with Masahiro Nakahara. (Received September 15, 2019)