1077-57-865   **Samantha Pezzimenti*** (`spezzime@ramapo.edu`), Ramapo College of New Jersey. *Minimal Degree Parameterization for the Trefoil and Figure Eight Knots.*

In this talk, we determine the minimal degree sequence for two compact rational knots, namely the Trefoil and Figure Eight knots. We find explicit projections with the minimal degree sequence of each knot. This is done by modifying a non-compact rational minimal-degree parameterization of the Trefoil and Figure Eight knots to make it compact. (Received September 13, 2011)