

1154-D5-1458      **Carolyn Otto\*** (ottoa@uwec.edu), **Griffen Potrykus** and **Bethany Schueller**. *A Class of Virtual Knots With Crossing Weight Zero*. Preliminary report.

While trying to distinguish if two or more virtual knots are the same, we generally invoke the use of certain invariants. In this presentation, a particular virtual knot invariant known as the crossing weight number will be discussed. We will focus on its properties as they pertain to the Whitehead doubling operator. More precisely, we will show that the weight of each crossing in a Whitehead double of a virtual knot vanishes. (Received September 15, 2019)