

1145-VU-2186 **Samantha C Sandberg*** (samantha.c.sandberg@gmail.com), **Cory Glover**, **Leslie Colton**
and **Mark Hughes**. *A Complete Set of Moves for Petal Words*.

When working with knot projections, the standard method to determine whether two projections represent the same knot type is to create a sequence of Reidemeister moves connecting the first knot diagram to the second. We discuss a similar approach using petal projections and petal words of a knot. Petal projections, as defined by Adams' et. al., allow us to describe a knot using a finite sequence of integers, called a petal word. While each knot type has infinitely many petal words associated with it, we describe a sequence of moves which allows us to relate any two petal words representing the same knot type. (Received September 25, 2018)