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**Adam M Lowrance\*** (adlowrance@vassar.edu). *Alternating distances of knots.*

An alternating distance is a knot invariant that measures how far away a knot is from alternating. Examples include dealternating number, alternation number, Turaev genus, and alternating genus. In this talk, we give examples of families of knots where the difference between two of the above alternating distances becomes arbitrarily large. The proofs often use Khovanov or knot Floer homology. (Received September 13, 2014)