Joint NU/UIC/UofC online algebraic geometry and commutative algebra seminar

Gonality of complete intersection curves
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Abstract: The gonality of a smooth projective curve is the smallest degree of a map from the curve to the projective line. If a curve is embedded in projective space, it is natural to ask whether the gonality is related to the embedding. In my talk, I will discuss work with James Hotchkiss and Chung Ching Lau. Our main result is that, under mild degree hypotheses, the gonality of a complete intersection curve in projective space is computed by projection from a codimension 2 linear space, and any minimal degree branched covering of $\mathbb{P}^1$ arises in this way.

Please see the seminar webpage for further details: https://rankeya.people.uic.edu/online_seminar.html

Wednesday, May 27 at 3:00 PM in Online Zoom seminar