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Milnor numbers of projective hypersurfaces and the chromatic polynomial of graphs

Monday, June 22, 2015 2:00 PM (50 minutes)

I will give an overview of a proof of a conjecture of Read that the coefficients of the chromatic polynomial of any graph form a unimodal sequence. There are two main ingredients in the proof, both coming from works of Bernard Teissier: The first is the idealistic Bertini for sectional Milnor numbers, and the second is the isoperimetric inequality for mixed multiplicities of ideals.

Presenter: Mr HUH, June (Princeton)

Session Classification: Afternoon session