

Michigan Math Club

Thursday at 4pm in the Nesbitt Room

Free Pizza and Pop

Four lines in 3-space

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Abstract for 7 November

Sometimes basic-sounding problems lead to deep mathematics. For example, questions such as "how many lines in 3-space intersect four given lines (in general)?" lie at the foundation of the theory of Schubert calculus, an area of algebraic geometry. We'll discuss this four lines problem, introducing some of the necessary geometry along the way. Time permitting we'll compute answers to similar questions. This talk won't assume anything other than some basic linear algebra.

