Mathematics, Statistics, and Computer Science     **@ UIC**

## Algebraic Geometry Seminar

*Ample divisors on moduli spaces of sheaves on the plane*

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**Abstract:** Let v be the set of numerical invariants of a sheaf on $\mathbb{P}^2$. The moduli space M(v) parameterizes isomorphism classes of semistable sheaves with Chern character v. In this talk, I will discuss recent work with Izzet Coskun computing the cone of ample divisors on M(v) for many choices of the character v. Our results in particular cover the case where the rank and first Chern class of v are coprime and the discriminant of v is sufficiently large.

Wednesday, September 3 at 4:00 PM in SEO 427