

Algebraic Geometry Seminar

Patching techniques for computing Chow rings of stacks

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Abstract: We will discuss the importance of Chow rings in algebraic geometry, as well as one of the central issues in their computation: can one find the Chow ring of a space given the Chow ring of an open and its complement? This is the so called patching problem, and we will discuss multiple ways of solving it. Our main examples will be the moduli stack of curves, as well as root gerbes and root stacks.

Monday, September 30 at 3:00 PM in 636 SEO