
RICK JARDINE, Department of Mathematics, University of Western Ontario, London, ON N6A 5B7, Canada

Parabolic groupoids

I will describe a presheaf P of simplicial groupoids on the scheme category, for which the automorphism groups consist of the classical parabolic groups. An argument involving cocycle category methods shows that the levelwise Zariski stack completion for P is the groupoid of isomorphisms in the Waldhausen S_\bullet -construction for vector bundles. The “parabolic groupoid” P therefore determines a geometric model for the presheaf of algebraic K -theory spaces K^1 .