998-13-33 Edward L Green\* (green@math.vt.edu), Department of Mathematics, Virginia Tech, Blacksburg, VA 24061, and Oeyvind Solberg (oyvinso@math.ntnu.no), Department of Mathematics, NTNU Trondheim, Denmark. The geometry of self-injective Koszul algebras. Preliminary report.

In this talk I present some recent results of  $\emptyset$ . Solberg and myself. Let A be a finite dimensional self-injective Koszul algebra. We give a definition of Proj(A). We show that if the Koszul dual of A, R, is a noetherian algebra of finite global dimension then there is a duality between Proj(A) and the usual Proj(R) which is the category of finitely generated graded R-modules and degree 0 maps modulo the subcategory of modules of finite length.

Results on the components of the Auslander-Reiten quiver of the category of graded modules generated in degree 0 and degree 0 maps which contain a Koszul module are presented. (Received February 20, 2004)