1064-14-101 **Anatoly Libgober*** (libgober@math.uic.edu), Department of mathematics, UIC, 851 S.Morgan, Chicago, IL 60607. *Alexnader modules and Mordell Weil groups.*

Alexander polynomial of a plane algebraic curve can be related to the rank of Mordell-Weil group of an isotrivial elliptic threefold having this curve as the discriminant. This relation works for curves within certain class of singularities which will be described in this talk. As a corollary we obtain an upper bound on the degree of the Alexander polynomial which is linear in the degree of the curve. Another corollary describes the equations of curves with non trivial Alexander polynomial. This is a report on results of joint work with J.I.Cogolludo-Agustin (arxive: 1008.2018) (Received September 01, 2010)