

Welcome Home Workshop 2014

NOME: Davide

COGNOME: Alberelli

AFFILIAZIONE: Universität Osnabrück

POSIZIONE: PhD Student

EMAIL: dalberelli@uos.de

LINGUA PER LA CONFERENZA: italiano

TITOLO: Sheaf Cohomology on Binoid Schemes

Abstract

Binoids arise as an important tool in Combinatorial Commutative Algebra. We study the cohomology of sheaves of abelian groups on affine and quasi-affine binoid schemes. In particular we focus our attention on some computational results that allow us to easily compute the cohomology of the sheaf of invertible elements in the case of a binoid coming from a simplicial complex.