The monomial curve and its deformations

Guillem Blanco

October 21, 2019

Let $\Gamma = \langle \beta_0, \beta_1, \ldots, \beta_g \rangle$ be a numerical semigroup such that $\mathbb{Z}_+ \setminus \Gamma$ is finite, and let $C^\Gamma : u_i = t^{\beta_i}, i \in \{0, \ldots, g\}$ the monomial curve of the semigroup $\Gamma$. In this session, we will review the main results of Teissier [1] regarding the $\mu$-constant deformations of $C^\Gamma$ and the moduli space of plane irreducible curves with semigroup $\Gamma$.

References
