

The monomial curve and its deformations

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Let $\Gamma = \langle \bar{\beta}_0, \bar{\beta}_1, \dots, \bar{\beta}_g \rangle$ be a numerical semigroup such that $\mathbb{Z}_+ \setminus \Gamma$ is finite, and let $C^\Gamma : u_i = t^{\bar{\beta}_i}, i \in \{0, \dots, g\}$ the monomial curve of the semigroup Γ . In this session, we will review the main results of Teissier [1] regarding the μ -constant deformations of C^Γ and the moduli space of plane irreducible curves with semigroup Γ .

References

- [1] B. Teissier, Appendix, in [2], 1986.
- [2] O. Zariski, *Le problème des modules pour les branches planes*, Hermann, Paris, 1986.