

---

**SANTIAGO MILER QUISPE MAMANI**, Universidade de Brasilia  
*Torsion Free Modules Decomposition as Direct Sum of Modules with Rank 1*

The aim of this paper is to present the result given by Bass in [1], which determines a condition on the integral domain  $R$  so that every finitely generated torsion free module is written as a direct sum of modules of rank 1. We show that a necessary condition is that all ideal in  $R$  is generated by two elements, in other words, that these domains are almost Dedekind domains. Then, we apply the result in the description of torsion free modules of finite rank over the coordinate rings of singular curves, whose singularities are nodal or cuspidal. Key-words: Torsion free modules. Modules of rank 1. Nodal and Cuspidal.

[1] BASS, H. Torsion free and projective modules, Trans. Amer. Math. Soc.102, p. 319-327, 1962.