

Departamento de Matemática

Centro de Matemática e Aplicações

Seminar/Talk Flat and Injective Modules <u>Mehmood ur Rehman</u>

UBI

Abstract: Flat and injective modules are defined by the functors Tor and Ext respectively. A module M is said to be flat if $\operatorname{Tor}_1^R(M, F) = 0$, for a finitely presented module F. If $\operatorname{Ext}_1^R(F, M) = 0$, for a finitely presented module F, then the module M is injective. If both relations above hold for super finitely presented module F, then the module M is weak flat and weak injective. In this talk, I will discuss the construction of both functors Tor and Ext with some results about weak injective and weak flat modules and the dimensions of these modules.

- Dia: 25 de Fevereiro de 2022, às 15h
- Local: Sala de Reuniões, Departamento de Matemática, UBI

