

Seminário CEADEL*

23 de Novembro – 14:00 - sala 6.2.33

An introduction to string combinatorics for gentle algebras

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Abstract:

Gentle algebras are a class of finite-dimensional algebras that have a particularly accessible representation theory. In this talk, we shall define gentle algebras and explain the classification of indecomposable finite-dimensional modules in terms of so-called string combinatorics. We shall see how this allows us to control both homomorphisms between indecomposable modules and the short exact sequences whose outer terms are indecomposable. This last part will be a report on some joint work with Ilke Canakci and Sibylle Schroll.

This talk will assume only background in linear algebra.

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