

FLAT MODEL STRUCTURES FOR NONUNITAL ALGEBRAS

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In the talk we see that it is possible to impose a Quillen Flat Model Structure in the category of unbounded complexes of h-unitary modules over a nonunital ring (or a k -algebra, with k a field). This model structure provides a natural framework where a Morita-invariant homological algebra for these nonunital rings can be developed. And it is compatible with the usual tensor product of complexes. The talk is part of a joint work with Pedro A. Guil-Asensio.

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