

THE REPRESENTATION DIMENSION OF SOME CLASSES OF ALGEBRAS

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Introduced by Auslander in the early seventies, the *representation dimension* of an Artin algebra measures the least global dimension of all endomorphism rings of those finitely generated modules which are both generators and cogenerators of the module category. Lately, there have been several attempts to better understand this invariant and to calculate it.

The objective of our talk is to discuss some new results on the representation dimension of iterated tilted algebras (joint work with D. Happel and L. Unger) and strongly simply connected algebras of polynomial growth (joint work with I. Assem and S. Trepode).

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