Conférence « ARTA III : Avancées en théorie des représentations des algèbres » 16-20 juin 2014

> Meeting "ARTA III. Advances in Representation Theory of Algebras" June 16–20, 2014

No gaps but holes

Markus Schmidmeier*

According to Bongartz' No-Gap Theorem, for an associative algebra over an algebraically closed field, there is no gap in the lengths of the indecomposable modules of finite dimension. We consider the category of linear operators with two invariant subspaces, one contained in the other. It has been shown by A. Moore that the category is tame of tubular type if the size of the Jordan blocks of the linear operator is bounded by four. For this category, the set of dimension triples of the indecomposable systems has holes which we will visualize.

^{*}Department of Mathematical Sciences, Florida Atlantic University, 777 Glades Road, Boca Raton, FL 33431, USA.