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Centro de Investigación en Matemáticas, A.C.

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INSTITUTION AFILIATION: CIMAT

NATIONALITY: Mexican

TITLE: Reduction bases for exceptional modules.

ABSTRACT: Although the representation theory of classical quivers is well known, we still need practical methods for the explicit construction of indecomposable modules. In the talk we use reduction techniques as in [BSZ] to extend properties of exceptional modules to the context of differential quivers and to propose construction methods for generalized Kronecker quivers and extended Dynkin diagrams.

[BSZ] R. Bautista, L. Salmerón, R. Zuazua. *Differential tensor algebras and their module categories*. London Mathematical Society, Lecture Note Series 362

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