

# Global dimension of Nakayama algebras

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## Abstract

In an earlier paper I proved that a Nakayama algebra is of finite global dimension if and only if there is a simple module of even projective dimension. In this talk I will discuss the above and the following new result. Let  $A$  be a Nakayama algebra with  $n$  non-isomorphic simple modules, one of the simple modules having even projective dimension  $2m$ . Then the global dimension of  $A$  is bounded by  $n + ml$ .