

Seminari de Geometria Algebraica 2011/2012 (UB-UPC)

Divendres 23 de setembre a les 15 h, aula B1 de la Facultat de Matemàtiques de la UB

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## Decomposability of monads and instanton bundles

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Using the theory of representations of quivers, in particular Kac's Theorem, we give criteria for the decomposability of monads and syzygy bundles. Especializing to the case of instanton bundles, we show that every instanton bundle whose rank is large when compared to charge splits as a sum of linear bundles. We analyze more carefully what happens in the case of charge 1 instantons.

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