

Ciclo de jóvenes investigadores en el IMAC



**Conferencia a cargo de
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How to compute the Stanley depth of a module?

ABSTRACT: In this talk we introduce an algorithm for computing the Stanley depth of a finitely generated multigraded module M over the polynomial ring $K[X_1, \dots, X_n]$. As an application, we give an example of a module whose Stanley depth is strictly greater than the depth of its syzygy module. In particular, we obtain complete answers for two open questions raised by Jürgen Herzog.

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