

A splitting criterion for uniform vector bundles

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The problem of finding a splitting criteria for uniform vector bundles on \mathbb{P}^n started to be studied in the 1970's. This problem can be extended to varieties covered by lines. In this talk we present a characterisation of uniform vector bundles that split as a direct sum of line bundles in terms of their restrictions to lines. This is a joint work with Carolina Araujo and Lucas das Dores.