

# Vector bundles of rank 2 on hypersurfaces

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The talk concerns a discussion on some recent results on vector bundles of rank 2 on hypersurfaces of  $\mathbb{P}^3$  and  $\mathbb{P}^4$ . Mainly, some classification theorems for arithmetically Cohen-Macaulay bundles and some recent bounds for the dimension of the cohomology modules are presented.