

Emanuele MacrÃ¬: **Bridgeland stability conditions on higher dimensional varieties**

I will present recent results and work in progress on the construction of Bridgeland stability conditions on higher dimensional varieties.

The key ingredient will be an analogue of the Bogomolov inequality for stable sheaves.

This is based on joint works with Bayer, Bertram, Schmidt, Stellari, and Toda.

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