MORI DREAM REGIONS AND $\mathbb{C}^*$-ACTIONS

LORENZO BARBAN
UNIVERSITÀ DI TRENTO

The notion of Mori dream regions (MDR for short) has been introduced by Y. Hu and S. Keel as a generalization of Mori dream spaces. In this talk we establish a correspondence between MDR associated to small Q-factorial modifications and certain $\mathbb{C}^*$-actions on polarized pairs (X, L), with X normal projective and L ample and $\mathbb{C}^*$-linearizable, called bordisms. This talk is based on a joint work with E. A. Romano (University of Genova), L. E. Solá Conde (University of Trento), and S. Urbinati (University of Udine).

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Place: Room 117. Faculty of Mathematical Sciences. Universidad Complutense de Madrid.

Online: `https://meet.google.com/oxc-mdvo-iwb`.