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AN OBSTRUCTION TO PLANARITY OF CONTACT STRUCTURES

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Abstract

We give new obstructions to the existence of planar open books on contact structures, in terms of the homology of their fillings. I will talk about applications to links of surface singularities, Seifert fibred spaces, and integer homology spheres. No prior knowledge of contact or symplectic topology will be assumed. This is joint work with Paolo Ghiggini and Olga Plamenevskaya.

Date : Friday, November 10, 2017

Time: 11:00

Place: IMBM Seminar Room, Boğaziçi University South Campus