

IDEALS OF FAT POINTS: SUBHOMALOIDAL TYPES AND SYMBOLIC POWERS

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The subject theme relates to the intertwining between plane Cremona maps and ideals of plane fat points, taking up both algebraic and geometric developments. The classical terminology “homaloidal types” refers to the virtual multiplicities of the base points of a Cremona map, while the ones on the title are closely related thereof and the associated ideal of fat points has interesting properties. The notion binding the two types together is that of the (second) symbolic power. The talk will give a glimpse of the homological facet involved as well as the relation to the classical Bordiga—White varieties.

*Joint work with Zaqueu Ramos (Universidade Federal de Sergipe, Brazil).*