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Title: Plane Fat Points of Subhomaloidal Type

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This is joint work with Zaqueu Ramos.

One aims at the ideal theoretic and homological properties of a class of plane fat ideals, based on general points, such that their second symbolic powers are fat ideals having virtual multiplicities of proper homaloidal types. For this purpose one carries a detailed examination of their linear systems at the initial degree, a good deal of the results depending on the method of applying the classical arithmetic quadratic transformations of Hudson-Nagata (called Cremona equivalence by same authors). A subsidiary guide to understand these ideals through their initial linear systems has been supplied by questions of birationality with source P^2 and target higher dimensional spaces. This leads, in particular, to the retrieval of birational maps studied by Geramita-Gimigliano-Pitteloud, including a few of the celebrated Bordiga-White parameterizations.