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Singular plane curves and stable nonsqueezing phenomena

mardi 5 juillet 2022 16:00 (1 heure)

The existence of rational plane curves of a given degree with prescribed singularities is a subtle and active area in algebraic geometry. This question turns out to be closely related to difficult enumerative problems which arise in symplectic field theory, and which in turn play a key role in the theory of high dimensional symplectic embeddings. In this talk I will discuss various perspectives on these enumerative problems and how recent advances on the symplectic side can give insight into the theory of singular curves and vice versa.

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