# On the integral closure of planar ideals

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In this talk, we present a practical algorithm that computes a set of generators for the integral closure of any ideal $\mathfrak{a} \subseteq \mathbb{C}\{x, y\}$ by exploiting the singularity of $\mathfrak{a}$. Furthermore, we give a geometric interpretation of the generators since they are given as monomials in a set of maximal contact elements of the ideal $\mathfrak{a}$.

This is joint work with Maria Alberich and Josep Àlvarez.

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