VIRTUAL EAST-WEST SCV SEMINAR

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Geometric Properties of Upper Level Sets of Lelong Numbers of Currents on Multiprojective Spaces

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Let T be a positive closed current of bidegree $(1,1)$ on a multiprojective space $X = \mathbb{P}^{n_1} \times \ldots \times \mathbb{P}^{n_k}$. In this talk we look at the geometric properties of sets of points where a current T has "large" Lelong numbers, where how large they need to be depends on the cohomology class of the current T, and see that they have certain geometric properties. Before hand, we will go over analogues of these results in the setting of $\mathbb{P}^n$. This talk is based on joint work with Dan Coman.
