

# VIRTUAL EAST-WEST SCV SEMINAR

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## RIGIDITY THEOREMS BY CAPACITIES AND KERNELS

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In this talk, using the analytic and logarithmic capacity we will investigate extremal properties of several kernel functions including the Bergman, Szego, higher-order Bergman kernels. We will then explore rigidity results concerning the logarithmic capacity and the sublevel sets of the Green's function. This is joint work, arXiv:2111.10973, with Xin Dong (University of Connecticut) and Yuan Zhang (Purdue University Fort Wayne).

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