

VIRTUAL EAST-WEST SCV SEMINAR

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TESTING FAMILIES OF ANALYTIC DISCS FOR THE UNIT BALL IN \mathbb{C}^2

Let $a, b, c \in \mathbb{C}^2$ be three non-collinear points. It is known that under certain hypotheses the set of complex lines passing through a, b and c is a testing family of holomorphicity for continuous functions on the sphere. In particular, this happens if at least one of the lines joining two of the three points meets the interior of the ball. In this talk, I will discuss the limit case when the joining line is only tangent to the sphere. The talk is based on joint works with S. Pinton.
