

VIRTUAL EAST-WEST SCV SEMINAR

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NORMAL STEIN SPACES WITH BERGMAN-EINSTEIN METRIC AND FINITE BALL QUOTIENTS

In this talk, we will start with a conjecture posed by Cheng, which states that the Bergman metric of a bounded, strongly pseudoconvex domain in \mathbb{C}^n with smooth boundary is Kähler-Einstein if and only if the domain is biholomorphic to the unit ball \mathbb{B}^n . Then we will discuss the recent developments on solving and generalizing Cheng's conjecture. The talk is based on a joint paper with Huang, and a recent preprint with Ebenfelt and Xu.
