

*Department of Mathematics,  
University of California San Diego*

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# Math 258 - Differential Geometry

Ming Xiao

UCSD

## Bergman-Einstein metrics on strongly pseudoconvex domains

**Abstract:**

We explain a recent work with Huang where we combine various results in complex analysis including Fefferman's invariant theory, the Chern-Moser theory, the Cheng-Yau solution of Kahler-Einstein metrics, to provide an affirmative solution of a conjecture posed by Cheng-Yau. The conjecture stated that the Bergman metric of a bounded strongly pseudoconvex domain is Einstein if and only if the domain is holomorphically equivalent to the ball.

Host: Lei Ni

Wednesday, February 14, 2018

2:00 PM

AP&M 7421

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