

THE DEPARTMENT OF MATHEMATICAL SCIENCES

Indiana University - Purdue University Fort Wayne

is pleased to present

Yuan Zhang

University of California, San Diego

Global extension and rigidity for local holomorphic isometric embeddings

Abstract

In this talk, we discuss local holomorphic isometric embeddings from \mathbb{B}^n into $\mathbb{B}^{N_1} \times \cdots \times \mathbb{B}^{N_m}$ with respect to the Poincaré metrics up to a positive factor. We conclude that for each $1 \leq j \leq m$, up to certain automorphisms of \mathbb{B}^n and \mathbb{B}^{N_j} , the j th component of the embedding extends as a linear map sending \mathbb{B}^n into \mathbb{B}^{N_j} . Joint work with Yuan Yuan.

1:30 Tuesday, Feb. 28, 2012.

Location: KT 218

<http://ipfw.edu/departments/coas/depts/math/news/seminars.html>