

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : 山盛厚伺 Dr. Atsushi Yamamori
(本所 Academia Sinica)

Title : *An How to compute Bergman kernel functions*

Abstract :

After the discovery of the Bergman kernel by Stefan Bergman, many researchers tried to find complex domains whose Bergman kernels can be expressed explicitly. However, except some special cases, it is difficult to compute this kernel function. In this talk, I will introduce some basic methods to compute Bergman kernels with simple examples.

If time permits, I will give another proof of Poincare's theorem on the holomorphic inequivalence of the unit ball and the polydisk by using explicit forms of the Bergman kernels of these domains.

Time : 11:00 – 12:30, Wednesday, November 2, 2016

Venue : Room 638, Astro-Math. Building (NTU Campus)

Organizer : Yu-Yen Chien (NCTS), Jyun-Ao Lin (Academia Sinica)

Refreshment : 10:30

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