

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : Dr. Chao Zhang 張超 博士 (Academia Sinica)

Title : The Kuga-Satake Constructions and Newton Stratifications on Orthogonal Shimura Varieties

Abstract : The Kuga-Satake constructions embed certain Hodge structures of type $(-1,1)+(0,0)+(1,-1)$ to inner-homs of Hodge structures of type $(-1,0)+(0,-1)$. We will briefly recall the constructions as well as related Shimura varieties, then we will recall good reductions of orthogonal Shimura varieties and the crystalline realizations of the Kuga-Satake embeddings. Finally, we will indicate how to list all the Newton strata.

Time : 11:40 - 12:30, Wednesday, April 18, 2018

Venue : Room 202, Astro-Math. Buidling (NTU Campus)

Organizer : Jyun-Ao Lin (Academia Sinica), Yang-Kai Lue (NCTS)

Refreshment : 11:10

http://www.math.sinica.edu.tw/www/file_upload/conference/2016TPS/index.html

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