BEILINSON-BLOCH CONJECTURE FOR UNITARY GROUPS

Speaker: Yifeng Liu

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Time：Thu, Apr 29th, 16:00-17:30

Venue: Room 102-104, SCMS

Abstract： In this talk, we study the Chow group of the motive associated to a tempered automorphic representation of unitary groups of even rank and its relation with the L-function, in the framework of the Beilinson--Bloch conjecture. In particular, we prove an arithmetic analogue of Rallis inner product for unitary groups, which generalizes the Gross--Zagier formula to higher dimension. This is a joint work with Chao Li.