Recent advances in the arithmetic Siegel-Weil formula

Speaker: Qiao He
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Time：Mon, Jan. 5th, 11:00-12:00
Venue: Room 106, SCMS

Abstract:

In this talk, we will discuss recent advances in the arithmetic Siegel-Weil formula, a remarkable identity relating the intersection numbers of special cycles on Shimura varieties to the derivatives of certain Eisenstein series. We will also explain how representation theory inspires the underlying geometry and discuss various applications.