

早稲田大学整数論セミナーの予定 (2024年度 第4回)

日時：2024年6月7日（金） 17:00～18:30

場所：〒169-8555 東京都新宿区大久保3-4-1
早稲田大学西早稲田キャンパス
59号館4階420室 (59-420)
対面と Zoom ミーティングによるハイブリッド開催

講演者：齋藤 陽平 氏（慶應義塾大学）

タイトル：Theta lifts to certain cohomological representations of indefinite orthogonal groups

アブストラクト：Howe and Tan investigated a degenerate principal series representation of indefinite orthogonal groups and completely described its composition series. Their work implies the existence of a unique unitarizable irreducible submodule, which is isomorphic to a non-tempered derived functor module. Our research focuses on the theta liftings locally corresponding to this representation. In this talk, we will introduce the Fourier expansion of these theta liftings, detailing the methods and calculations involved. Additionally, we will discuss the implications of these results and potential future work in the context of higher degree cases. A part of this talk is based on the joint work with Takuya Miyazaki.