



HIDA THEORY FOR THE DEFINITE UNITARY GROUPS

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Venue: Room 2201, East Main Guanghua Tower, Handan Campus

Abstract: We fix a prime number l . Let F be an imaginary CM number field and F^+ is the total real subfield. We assume that every prime of F^+ over p splits in F . Let $\mathcal{O}_{F^+}$ be the ring of integers of F^+ . We fix a definite unitary group G over $\mathcal{O}_{F^+}$. Following David Geraghty's thesis, I will talk about the construction of spaces of automorphic forms over G , ordinary Hecke algebras and related Hida control theorems.