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Towards an Eichler-Shimura Decomposition for Ordinary p-adic Siegel Modular Forms

jeudi 25 avril 2024 11:00 (1 heure)

There are two different ways to construct families of ordinary p-adic Siegel modular forms. One is by p-adically interpolating classes in Betti cohomology, first introduced by Hida and then given a more representation-theoretic interpretation by Emerton. The other is by p-adically interpolating classes in coherent cohomology, once again pioneered by Hida and generalised in recent years by Boxer and Pilloni. I will explain these two constructions and then discuss joint work with James Newton and Juan Esteban Rodríguez Camargo, very much in progress, that aims to compare them.

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