

Theory and Computation in Algebra and Algebraic Geometry



With a dedication to Paolo Valabrega on the occasion of his 70(+2)th Birthday

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A weight independence result on p-adic quaternionic Hecke algebra

LEA TERRACINI

Università di Torino

I shall introduce quaternion algebras, quaternionic modular forms, Shimura curves and present a weight independence result for the p-adic quaternionic Hecke algebra. This result provides a quaternionic version of a theorem proved by Hida for classical modular forms.