

Testing automorphy of lifts of Hilbert modular forms

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This talk concerns the lifts of Hilbert modular forms exhibited by Lassina Dembélé. First, I will interpret this lift from the point of view of Langlands functoriality, producing automorphic representations of $GSpin$. Then, using examples, I will use this perspective to describe a practical test that will determine when a candidate lift is actually automorphic.