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MOD 5 ICOSAHEDRAL REPRESENTATIONS AND APPLICATIONS TO A CONJECTURE OF ARTIN

Shu Sasaki

King's College, London

Abstract

In this talk, I will explain modularity of mod 5 icosahedral representations of the absolute Galois group G_F of a totally real field F , and prove many new cases of the strong Artin conjecture for totally odd two-dimensional insoluble representations of G_F .

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Time: 15:30

Place: IMBM Seminar Room, Boğaziçi University

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