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Fecha: 10 de octubre 2018.

Hora: 14.30 - 15.30

Lugar: IMA PUCV, Sala 2-2

Title: Non-abelian “class number” formula for the adjoint Selmer groups.

Abstract: For a given elliptic cuspidal form f , we have a 2-dimensional p -adic Galois representation r with coefficients in a p -adic integer ring. Having r act on $SL(2)$ -Lie algebra by adjoint (conjugate action), we get a 3-dimensional representation Ad . We describe the formula of the order of the p -adic arithmetic cohomology group $Sel(Ad)$ (called the adjoint Selmer group) via the L -value $L(1, Ad) = L(1, Ad(f))$ and explore the question when the Selmer group is cyclic (having one generator) over the coefficient ring?

<http://seminarioaritmetyageometria.wordpress.com>

