

Ramification filtration and differential forms

vendredi 10 décembre 2021 14:00 (1 heure)

Abstract: Let K be a complete discrete valuation field of characteristic p and let G_K be its absolute Galois group.

If H is a finitely generated $Z_p[G_K]$ -module satisfying additional “Lie condition” we describe the images of the ramification subgroups of G_K in the group of automorphisms of H . This description is made in terms of connection and Frobenius matrix for Fontaine’s ϕ -module associated with H .

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