

MONICA NEVINS, University of Ottawa, Ottawa, ON
Branching Rules for Principal Series of $GL(3)$

Let k be a p -adic field with integer ring \mathcal{R} . We consider the restriction of a principal series representation of $GL(3, k)$ to a maximal compact subgroup $K = GL(3, \mathcal{R})$. Its decomposition into irreducible subrepresentations is perplexing and marvelous. This is an update on a joint work with Peter Campbell (University of Ottawa).