

The Breuil-Mézard conjecture for non-scalar split residual representations

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Abstract : Following the approach of Paskunas, we prove the Breuil-Mézard conjecture for split (non-scalar) residual representations of the absolute Galois group of \mathbb{Q}_p (when $p > 3$). Combined with the cases previously proved by Kisin and by Paskunas, this completes the proof of the conjecture. This is a joint work with Fucheng Tan.