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Slope classicality and completed cohomology

We use the completed cohomology classes attached to overconvergent modular forms to give a new proof of Coleman's slope classicality criterion for overconvergent modular forms and for the compactly supported cohomology groups of Boxer-Pilloni's higher Coleman theory for modular curves. We will also discuss the role played by these latter compactly supported cohomology groups in Pan's Hodge-Tate decomposition for highest weight locally analytic vectors in completed cohomology.