Pro-p Completions of Poincaré Duality Groups

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Resumo

This is a joint work with D.H. Kochloukova (University of Campinas, Brazil) and J.A. Hillman (University of Sydney, Australia) accepted for publication in the Israel Journal of Mathematics (2014). We consider some suficient conditions for the pro-p completion of an orientable Poincaré duality group of dimension $n \leq 3$ to be a virtually pro-p Poincaré duality group of dimension at most $n \leq 2$.