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Recent results on the initial boundary value problem in GR

I will review recent results obtained in collaboration with Grigorios Fournodavlos concerning the Initial Boundary Value Problem (IBVP) for the vacuum Einstein equations. In particular, I will explain how to formulate a well-posed IBVP for the Einstein equations in the maximal gauge and, in another setting, I will present a short proof of well-posedness for the IBVP in the case of umbilic boundary.