

“HYPE and cuts”

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Abstract

In the talk I present sequent systems for the propositional part of HYPE, a logic introduced by Leitgeb for hyperintensional contexts. I will point out some problems for the usual cut-elimination strategies. The similarity to the problem for constant domains in intuitionistic logic suggests that similar solution strategies are applicable. I will follow a strategy used by Kashima and Shimura. By introducing connections as additional information within sequents it is then possible to establish a cut-elimination result.