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Fusion and Localization of Plurisubharmonic Functions

We address the problem of continuity of plurisubharmonic envelopes. A bounded domain D is called c -regular if the plurisubharmonic envelope of every continuous function on \bar{D} extends continuously to \bar{D} . Using Gauthier's Fusion Lemma, we show that a domain is locally c -regular if and only if it is c -regular.