

On the Chaumat-Chollet example

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A classical theorem of Harvey and Wells states that the minimum set of a strictly plurisubharmonic function is locally contained in a totally real subvariety. We present an example, due to Chaumat and Chollet, of a minimum set of a strictly plurisubharmonic function which is not globally contained in a totally real subvariety. This shows the local character of the Harvey-Wells theorem.