

Sibony's last paper (according to arXiv)

Marcin Sroka

I will discuss part of Sibony's last paper. The main goal will be to prove the following theorem .

Theorem 1. *Suppose $U \subset \mathbb{C}\mathbb{P}^n$ is a strongly $(n - 2)$ complete, C^1 bounded domain such that $H_{dR}^{2n-2}(U, \mathbb{C}) \neq 0$. There exists a strictly psh function near ∂U .*

As a result we will give some remarks on the $\bar{\partial}$ equation on $\mathbb{C}\mathbb{P}^n \setminus U$.