

1154-32-701

**Lukasz Kosinski** and **John E. McCarthy\*** (mccarthy@wustl.edu). *Norm-preserving extensions of bounded holomorphic functions.*

Let  $V$  be an analytic subvariety of a domain  $\Omega$  in  $\mathbb{C}^n$ . When does  $V$  have the property that every bounded holomorphic function  $f$  on  $V$  has an extension to a bounded holomorphic function on  $\Omega$  with the same norm?

An obvious sufficient condition is if  $V$  is a holomorphic retract of  $\Omega$ . We shall discuss for what domains  $\Omega$  this is also necessary. (Received September 09, 2019)