

1047-32-472

**Anna Siano\*** ([asiano@umich.edu](mailto:asiano@umich.edu)), 530 Church St, 2074 East Hall, Ann Arbor, MI 48109. *On the (non-)extendability of germs of CR functions.*

In 1986, Trépreau found necessary and sufficient conditions for germs at a point  $p$  of CR functions on a smooth hypersurface  $\Sigma$  to extend to some side of it. The generalization of this result to the higher-codimensional case is known as “wedge-extendability” (cf. Tumanov, Baouendi-Rothschild). In both cases, local extendability is equivalent to minimality (which, in the codimension-one case, means that  $\Sigma$  does not contain the germ at  $p$  of any complex hypersurface). What remains to be done is to determine the side of  $\Sigma$  to which the extension occurs. We will discuss some conditions under which this can be determined, and prove extendability results by means of analytic discs. (Received February 03, 2009)