

1119-32-39

Jiri Lebl* (lebl@okstate.edu), Department of Mathematics, MSCS 401, Oklahoma State University, Stillwater, OK 74078, and **Alan Noell** and **Sivaguru Ravisankar**. *Extensions of CR functions in $\mathbb{C}^n \times \mathbb{R}$.*

We prove a Hartogs-Bochner type theorem for a bounded domain U with smooth boundary in $\mathbb{C}^n \times \mathbb{R}$ with nongenerate, flat, and elliptic CR singularities (all natural conditions for the problem). That is, a CR function on the boundary ∂U extends to a CR function on U , smooth up to the boundary. (Received January 31, 2016)