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**Tamás Forgács\*** (forgacs@uiuc.edu). *An interpolation theorem in higher dimensions.* Preliminary report.

Let  $(X, \omega)$  be a Stein manifold with a Hermitian metric whose Ricci curvature is non-positive,  $L \rightarrow X$  be a holomorphic line bundle over  $X$  with a metric  $e^{-\kappa}$  and  $W$  a smooth complex analytic hypersurface in  $X$ . We present a sufficient condition for  $W$  to be interpolating for the  $L^2$  space of holomorphic sections of  $L$  over  $X$ . This work extends similar results of Seip-Wallsten, Berndtsson-Ortega Cerdà in the one dimensional case  $X = \mathbb{C}$  or the unit disk, of Schuster-Varolin for finite Riemann surfaces, and of Ortega Cerdà-Schuster-Varolin in the case  $X = \mathbb{C}^n$  with the Euclidean metric, and Forgács-Varolin in the case of the  $n$ -dimensional Bergman ball. (Received January 18, 2007)