# COMPLEX INTERPOLATION OF VECTOR MEASURES. A GENERALIZATION OF THE STEIN-WEISS FORMULA. 

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#### Abstract

Let $\left(X_{0}, X_{1}\right)$ an interpolation couple and $m_{0}$ and $m_{1}$ two vector measures with values in $X_{0}$ and $X_{1}$, respectively. Under certain hypotesis we consider the complex interpolated measures of $m_{0}$ and $m_{1}$. This provides us with the generalization of the Stein-Weiss formula to the setting of spaces of $p$-power integrable functions with respect to vector measures.

This is a joint work with R. del Campo, A. Fernández and F. Naranjo (Universidad de Sevilla, Spain) and E. A. Sánchez-Pérez (Universidad Politécnica de Valencia, Spain).

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