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

## FERNANDO MAYORAL UNIVERSIDAD DE SEVILLA, SPAIN

**Abstract.** Let  $(X_0, X_1)$  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).

*E-mail address*: mayoral@us.es

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