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**Albert Clop Ponte** ([albertcp@mat.uab.cat](mailto:albertcp@mat.uab.cat)), Edifici C, Departament de Matemàtiques, Facultat de Ciències, Bellaterra, Barcelona 08193, and **Victor Alberto Cruz Barriguet\*** ([victorcruz@mixteco.utm.mx](mailto:victorcruz@mixteco.utm.mx)), Carretera a acatlima Km. 2.5, Institute de Física y Matemáticas, 69000 Huajuapán, Oaxaca, Mexico. *Weighted Estimates for Beltrami Equations,*

We obtain a priori estimates in  $L^p(\omega)$  for the generalized Beltrami equation, provided that the coefficients are compactly supported  $VMO(\mathbb{C})$  functions with the expected ellipticity condition, and weight  $\omega \in A_p$ . (Received May 08, 2013)