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J.A. Barcelo and **M. Folch-Gabayet*** (folchgab@matem.unam.mx), Instituto de Matematicas, Universidad Nacional Autonoma de Mexico, Ciudad Universitaria, 04510 Mexico, D.F, Mexico, and **S. Perez-Esteva**, **A. Ruiz** and **M.C. Vilela**. *Elastic Herglotz functions in the plane.*

We study spaces of solutions of the spectral Navier equation in the plane. We characterize the elastic Herglotz wave functions, namely the entire solutions \mathbf{u} of the Navier equation with L^2 far-field-patterns. (Received February 22, 2010)