1046-49-98   **Cristina Popovici*** (`cristina.popovici@ndsu.edu`), Department of Mathematics, 300 Minard Hall, North Dakota State University, Fargo, ND 58105. *The derivation of a heterogeneous plate theory from nonlinear elasticity.*

The effective elastic energy of a heterogeneous plate is obtained from three-dimensional nonlinear elasticity via De Giorgi's Γ-convergence. (Received July 22, 2008)