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Tiziana Giorgi* (tgiorgi@nmsu.edu), New Mexico State University, Department of Mathematical Sciences, P.O. Box 30001, Department 3MB, Las Cruces, NM. *On a bent-core molecule liquid crystal model.*

We will present some results on existence and the limiting behavior of solutions of a de Gennes-Landau energy functional for bent-core molecule liquid crystals. (Received February 06, 2014)