998-37-303 **Gonzalo Contreras*** (`gonzalo@cimat.mx`), P.O. Box 402, 36.000 Guanajuato, GTO, Mexico, and **Fernando Oliveira** (`fernando@mat.ufmg.br`), Departamento de Matematica, UFMG, Av Antonio Carlos, 6627, Caixa Postal 702, 30161-970 Belo Horizonte, MG, Brazil. *C2 densely the 2-sphere has an elliptic closed geodesic.*

We prove that a riemannian metric on the 2-sphere or the projective plane can be C^2 approximated by a C^∞ metric whose geodesic flow has an elliptic closed geodesic. (Received March 01, 2004)