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**Antonio Garcia\*** (agar@xanum.uam.mx), Av. San Rafael Atlixco No. 186 Col. Vicentina, 09340 Iztapalapa, DF, Mexico, and **Martha Alvarez**. *Symbolic dynamics in a restricted planar 4-body problem*. Preliminary report.

In this talk we present a (3+1)-body problem. The aim is to construct symbolic dynamics avoiding the use of the transversality of the stable and unstable manifolds of a hyperbolic structure. Instead of it, we construct numerically a Smale horseshoe using correctly aligned windows. (Received August 25, 2011)