

1098-51-76

**Lara Simone Suárez\*** (suarez@dms.umontreal.ca). *Exact Lagrangian cobordism and pseudoisotopy.*

Lagrangian submanifolds are central objects in the study of symplectic manifolds. Given two Lagrangian submanifolds  $L_0, L_1$  in the symplectic manifold  $(M, \omega)$ , a Lagrangian cobordism between them is a cobordism  $(W; L_0, L_1)$ , that can be embedded as a Lagrangian submanifold in  $([0, 1] \times \mathbb{R}) \times M, dx \wedge dy \oplus \omega$ , with the property that near the boundary it looks like the products  $[0, \epsilon) \times 1 \times L_0$  and  $(1 - \epsilon, 1] \times 1 \times L_1$  for some  $\epsilon > 0$ . In recent work Biran and Cornea proposed the following conjecture: Exact Lagrangian cobordism implies pseudoisotopy. In this talk we give partial results towards this conjecture. (Received January 10, 2014)