1116-53-1105 **Edward William Burkard*** (`eburkard@nd.edu`), 255 Hurley, University of Notre Dame, Notre Dame, IN 46556. *Non-triviality of the Fundamental Group of Symplectic Embeddings of 2 Ellipsoids.* Preliminary report.

In this talk, we will construct a symplecitc embedding of a pair of ellipsoids $E(a,b) \sqcup E(a,b)$ (one of which is parametrized) into a 4-ball $B^4(R)$ and give conditions on when this loop is contractible. This result is expected to have consequences for the fundamental group of symplectic embeddings of one ellipse into another. Here we think of $E(a,b) = \left\{ (z_1, z_2) \in \mathbb{C}^2 \, \middle| \, \frac{\pi|z_1|^2}{a} + \frac{\pi|z_2|^2}{b} = 1 \right\}$ and $B^4(R) = E(R,R)$. (Received September 17, 2015)

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