

# Algebra/Topology Seminar

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## THE SYMPLECTIC DISPLACEMENT ENERGY

Thursday, February 11, 2016  
1:15 p.m. in ES-143

ABSTRACT. To begin we will recall Banyaga's Hofer-like metric on the group of symplectic diffeomorphisms, and explain its conjugation invariance up to a factor. From there we will prove the positivity of the symplectic displacement energy and compare our construction with the Hofer displacement energy in several examples. Based on a joint project with Augustin Banyaga and David Hurtubise.