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Zhigang Han* (han@math.umass.edu), Department of Mathematics and Statistics, University of Massachusetts, Amherst, MA 01003-9305. *A nonextension result on the spectral metric.*

The spectral metric is a bi-invariant metric on the Hamiltonian diffeomorphism group defined by Schwarz and Oh using Floer-theoretical method. In this talk, I will first explain the definition of the spectral metric for symplectically aspherical manifolds. Then I will explain why for certain symplectic manifolds, this metric does not extend to bi-invariant metric on the full group of symplectomorphisms. (Received December 29, 2008)