

BOSTON UNIVERSITY GEOMETRY SEMINAR

# ON THE SYMPLECTIC INVARIANCE OF LOG KODAIRA DIMENSION

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May 2, 2012, 3:00 – 4:00pm  
Math/Computer Science, Room B21  
111 Cummington Street, Boston

Tea: 2:45pm in Room 144

**Abstract:** Every smooth affine variety has a natural symplectic structure coming from some embedding in complex Euclidean space. This symplectic form is a biholomorphic invariant. An important algebraic invariant of smooth affine varieties is log Kodaira dimension. One can ask, to what extent is this a symplectic invariant? We show some partial symplectic invariance results for smooth affine varieties of dimension less than or equal to 3.

See <http://math.bu.edu/research/geom/seminar.html> or contact Takashi Kimura [kimura@math.bu.edu](mailto:kimura@math.bu.edu) for more information.