



# UH/AMS Reading Seminar Fall 2014

*Topic: Physics*

Speaker: Carlos Ortiz  
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**Wednesday, October 8, 2014**  
**1-2 pm**  
**PGH 646**

**This week:** *Relation between all three views of mechanics*

Our goal this semester is to explore certain topics in physics using a mathematical point of view. This week we will summarize what we have learned so far and explore the relation between all three views of mechanics.

More info at <http://www.math.uh.edu/~cortiz/seminar/>

$$F = ma$$

$$\dot{L}_v(q, \dot{q}) - L_q(q) = 0$$

$$\dot{x} = \nabla_\sigma H(x)$$