

Lecture # 32 11-2-2009

phase space  $p, q$

$H(p, q)$

H-eqs

$$\dot{q}_i = \frac{\partial H}{\partial p_i}$$

$$\dot{p}_i = -\frac{\partial H}{\partial q_i}$$

Today

- VII b
- VII c)
- VII d)

Poisson brackets [43]  
 Hamilton's principle  
 Lagrangian principle