

Lecture #

constraints $L \rightarrow L + \sum_e \lambda_e F_e$

$$\frac{d}{dt} \frac{\partial L}{\partial \dot{q}_i} - \frac{\partial L}{\partial q_i} + \sum \lambda_e a_{ike}$$

$$\sum a_{kedge} = 0$$

Today

- III a) Motion in 1d
- III b) Reduced mass
- III c) Motion in a central field
- III d) Solution of the eqs of motion
- III e) Bertrand-Koenig theorem