Lecture 7

A(x1,x2) , B(x2,y2) path that minimum distance fram A to B.

I =

I[F] =

I =

EULER LAGRANGE EQUATION

Line equation :

Lecture 8

Euler Lagrange Equation :

İf t0,x(t0) and t fare specified but x(tf) is free

Boundary condition

If t0,x(to)=x0 and x(tf)=xf , tf is free

Boundary condition

t0 and x(t0) = x0 and tf and x(tf) are free.

A)If tf and x(tf)are unreated BOUNDARY CONDITION

B) If tf and x(tf) are related.

TRANSVENSALITY CONDITION