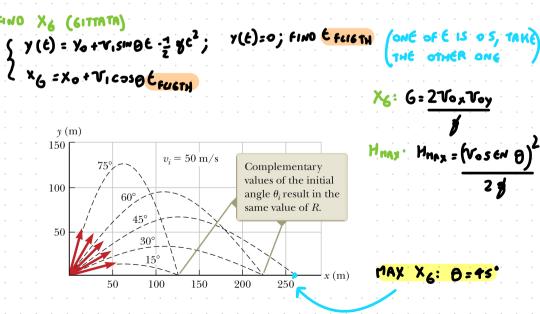


Tx; = V, 605 8



ENERGY OF A SYSTEM

WORK: W. FAT COS 8 [7]

E=U+K

MIN ETIC ENERGY: K. 1 MY [5]

Porential ENERGY: U= mg/h [5]

ELASTIC POTENTIAL ENERGY : US = 1 Nx2

CONSERVATION OF ENERGY EFEE,

LINEAR MOMENTUM AND COLLISION

CINEAR MONENTUM: P=AT

ISOCATED SYSTEM: DPTor = 0

IMPUSE: L= Fat

IMPULSE-MONE PTUN THEOREM: 47 = 1

COLUSION

MELASTIC: KITOT & KSTOT (NOT CONSERVED)

. PERFECTLY WELASTIC:

BOTH OBJECTS STICK TO GHETHER

.INELASTIC:

NOT STICK TO GUETER BUT SOME K IS TRANSFORMED OR TRASFERRED

ECASTIC: KIM THE SYSTEM IS CONSERVED

WITH GOLLISION IN TWO MITCHSION WORK SCRARATELY ON X AND