

SNS COLLEGE OF TECHNOLOGY

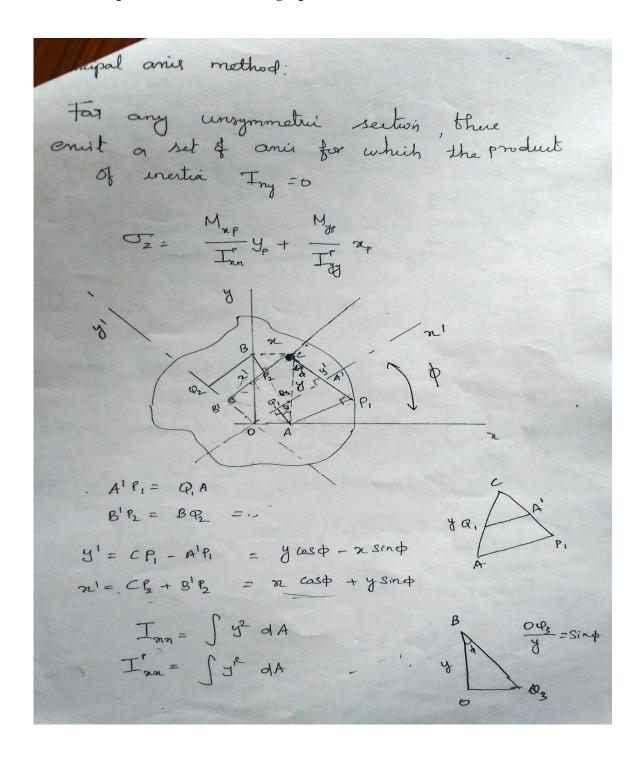


(An Autonomous Institution)

DEPARTMENT OF AEROSPACE ENGINEERING

Subject Code & Name: 23AST205-Aerospace Structures

TOPIC: 3. Principal axis method bending equation



= (y'cosq + 2 8124 - 2mg cosq 2004) 01 Inn Imash + Ing sind - Ing sin2+ ruly Igg = Igg Cos + Im 812 + Ing 31124 Iny = | x'y' dA = (yost-nsint) (nost+ysin+)dh = (ny cost + 3 cost sint - 4 sind cost - ny sint) de = (costo - siño) Ing + Ingsinzo Insinzo Iny = 1 Im) sinza + Iny Cosza Far prinpal armin Iny =0 tanzp = - 2 Iny Try-Inn Map = My cosp - my sup Myp = My Cosp + Mx Sind