## 70-P-FA-AF-011 EOM Tangential/MNormal Components: Intermediate mass of M kay Q. A motorcycle "travels a long a path described as y = x2. When are tilted as in the diagram below 0 = theta What is the velocity of the motorcycle? [ + ( dy/dx) 2] 3/2 A: Fw = may $a_n = \frac{\sqrt{2}}{p}$ dy/0x = 2x 65/dx= 2 $e = [1 + (2 \times)^2]^{3/2}$ - 12F = Ncos 0 - W= 0 -> EFn = Nsin D = M an =7 an = Nsin 0 => V2 = PNSIND/M

20-P-KM-FA-

vertical singlet axis faint the )

axis

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this is a motorcycle

motorcycle wheel