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strain is then $\epsilon_x = \frac{ds}{dx}$

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Manual $dx = (-y)dx - dx dy = -y$

(4.2) From basic calculus, the radius of curvature of a planar curve is given by $\rho = \frac{1}{\sqrt{1 + \left(\frac{dy}{dx}\right)^2}}$ (4.3)

Flexure Elements. Dr. Hutton was my professor for M.E. 474 [Finite Element Analysis] elective counting towards a Masters in Mechanical Engineering.

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