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Component, $V_{\theta 1}$, Of The Water Entering The Blade Is Zero ($\alpha = 90^\circ$). Determine (a) The Tangential Velocity Component, $V_{\theta 2}$, At The Exit, (b) The Ideal Head Rise, H_A , And (c) The Power, P , Transferred To The Fluid ... Mar 5th, 2024

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Key Point: In The B.G. System Of Units, The Unit Used For Mass Is The Slug And Not The Lbm. And $1 \text{ Slug} = 32.174 \text{ Lbm}$. Therefore, Be Careful Not To Use Conventional Values For Fluid Density In English Units Without Appropriate Feb 17th, 2024.

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...With Their Axis Vertical. Water With High Head
(pressure) Enters The Turbine Through The Spiral
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Of Machining - NPTEL And $N = \text{Speed Of The Drill In Rpm}$. The Total Axial Force P_{XT} Which Is Normally Very Large In Drilling, Is Provided By $P_{XT} = P_{X1} + P_{X2} + P_{Xe}$ (8.5) But There Is No Radial Or Transverse Force As P_{Y1} And P_{Y2} , Being In Opposite Direction, Nullify Each Other If The Tool Geometry Is Perfectly Symmetrical. Mar 4th, 2024.

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