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Fluid Mechanics: Problems and Solutions | Joseph H. Spurk ...

problems are not to be used as the only source of study material. The topics listed below should be your guide for what you are responsible for knowing. Suggested textbook: Introduction to Fluid Mechanics, 4. th. Ed., Robert W. Fox and Alan T. McDonald, (John Wiley & Sons, pub.) Fluid Mechanics, 3. rd. Ed., Frank M. White, (McGraw Hill, pub ...

Fluid Mechanics Problems for Qualifying Exam

4 Integral Momentum Equation 4/1 Calculate the horizontal force acting on the conical part of the pipe! q 3.5 m3 /min V = Friction losses are negligible. 4/2 v1 =30 m/s u =13m/s Friction losses are negligible. a) v2 =? [m/s b) Calculate the angle of deviation β [° (angle between v1 and v2)! c) Determine the force acting on the blade! d) How is the kinetic energy of 1kg water changing ...

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CHAPTER 3 PRESSURE AND FLUID STATICS

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Fluid Mechanics: Problems and Solutions by Joseph H. Spurk

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