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exerted by a jet of fluid on a flat or curve surface can be resolved by applying the momentum equation the study of these forces is essential to the study of fluid mechanics and hydraulic machinery 2 practical *fluid mechanics mechanical engineering purdue university* Apr 21 2022 fluid mechanics fluid mechanics affects everything from hydraulic pumps to microorganisms to jet engines purdue brings together a world class group of researchers to model these behaviors in the computer and then apply them to real world situations determination of pressure by simple manometers in fluid

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reverse direction with velocity  $u$  in the fluid between  $x$  and  $b$  has been stopped the drop in pressure across the wave front is  $\rho c u$  it should be noted that in this case the wave speed or sonic velocity has been changed from  $c$  to  $c_c$  may be the same or less than  $c$  it depends on the minimum allowable pressure  $p_3$

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