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6. Fluid Mechanics: Fluid Statics; Fluid Dynamics  
Fluid Statics, Static Pressure/1 Two Types Of Forces Act On A Fluid Volume Element: Surface (pressure) Forces and Body (gravitational) Forces: See Figure → Pressure (a Scalar!) Is Defined As Surface Force / Area, For Example  $p_b = F_b / (d \cdot w) = P @ Z = Z_1$  Picture: KJ05 Fluid Volume  $H \cdot d \cdot w$  With ... 2th, 2024  
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