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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·d·w With ... 1th, 2024

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Introduction To Computational Fluid Dynamics Instructor: Dmitri Kuzmin Institute Of Applied Mathematics University Of Dortmund Kuzmin@math.uni-dortmund.de 3th, 2024

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