

TYPES OF FLOW

Fluid Mechanics

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One dimensional flow

Two dimensional flow

Three dimensional flow

DIMENSIONS OF FLOW

STEADY FLOW AND UNSTEADY FLOW

If fluid properties and fluid velocity are invariant with time, such a flow is called steady flow.

If properties and velocity of fluid vary with respect to time such a fluid flow is called unsteady flow

Types of flow

- **UNIFORM AND NON UNIFORM FLOW**

If the fluid properties and velocity of the fluid is invariant with respect to space during particular time interval the flow will be uniform flow.

If the fluid properties and velocity of fluid vary with respect to space during particular time the flow will be non-uniform flow

- **COMPRESSIBLE AND INCOMPRESSIBLE FLOW**

If density of fluid varies with respect to pressure the fluid is known as compressible fluid

If the density of the fluid does not changes with respect to pressure the fluid is known as incompressible fluid
