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1.2 General Concepts of a Fluid 3 1.3 Stresses, Pressure, Velocity, and the Basic Laws 5

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### **Prof. T.T. Al-Shemmeri - dspace.bhos.edu.az**

PrefaceThis book is mainly about fluid mechanics, but it is first intended to MSc and professionals who need to make use of fluid mechanics skills for applications pertaining to chemical and process engineering.

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For example, in fluid mechanics, a common use of transport analysis is to determine the velocity profile of a fluid flowing through a rigid volume. ... In chemical engineering, transport phenomena are studied in reactor design, analysis of molecular or diffusive transport mechanisms, and metallurgy.

### **Transport phenomena - Wikipedia**

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