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 - 1.2. Definition of a Fluid*
 - 1.3. Fluid Flow Regimes*
 - 1.4. Classification of Forces on a Fluid*
 - 1.5. Index Notation*
 - 1.6. Scalars, Vectors & Tensors*
 - 1.7. Vector Calculus*
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 - 2.1. Eulerian and Lagrangian Descriptions*
 - 2.2. Streamlines, Pathlines and Streaklines*
 - 2.3. Substantial Derivative*
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 - 3.1. Conservation of Mass – Continuity*
 - 3.2. Streamfunction*
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 - 3.6. Integral Forms*
- 4. Exact Solutions of the Navier-Stokes Equations (Panton 7,11)**

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- 4.2. *Poiseuille (Channel) Flow*
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- 4.5. *Rayleigh Flow – Stokes' 1st Problem*
- 4.6. *Oscillating Plate - Stokes' 2nd Problem*
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