**Convective Derivative**

**Reynolds’ Transport Theorem**

**Euler Equations (Incompressible)**

**Bernoulli’s Theorem (Steady flow)**

(Given steady flow, is constant along the streamlines. is potential.)

Derived from Momentum Equation

**Vorticity Equation (Incompressible)**

Derived from Momentum Equation

**Bernoulli’s Theorem (Steady Irrotational flow)**

(Everywhere)

**Operators in Polar**