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(Incompressible Potential

Flow) Fluid Mechanics:

Static Pressure: Example 3:

Part 1 ~~Introductory Fluid~~

~~Mechanics L13 p8 – Vorticity~~

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~~Potential Flow Overview~~

Point Sources and Point

Sinks Potential Flows, Fluid

Mechanics **Fluid Mechanics:**

Topic 1.1 - Definition of a

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at any time t will be: $2 \left(\frac{R}{r} \right)^2 \left(\frac{r}{R} \right)^2$ Integrating the foregoing equation with respect to r yields the result: $2 \left(\frac{R}{r} \right)^2 \left(\frac{r}{R} \right)^2 g t$ where $\left(\frac{r}{R} \right)^2 g t$ is some function of time.

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BASIC CONSERVATION LAWS Page
1-4 Problem 1.4 Using the

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given transformation
equations gives: $x^2 + y^2 + z^2 = 2$
 $2z$ and $\tan^2 \theta = \frac{2}{\cos^2 \theta} - 1$
 $\sin \theta = 1$ and $\sec \theta = \cos \theta$

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