

October 1, 2014

NAME

Fluids-ID

Quiz 4. A piezometer and a Pitot tube are tapped into a horizontal water pipe to measure static and stagnation pressures. For the indicated water column heights in the figure, determine the velocity at the center of the pipe.

- Bernoulli equation:

$$\frac{p_1}{\rho g} + \frac{V_1^2}{2g} + z_1 = \frac{p_2}{\rho g} + \frac{V_2^2}{2g} + z_2$$

Note: Attendance (+2 points), Format (+1 Points)

