1. Pressure Losses in Pipes
   1. All Loss Neglected

P1 is the different of pressure from p\_out to p\_in. Using this and simplifying:

In this case, loss is neglected, and the exiting water is assumed to exit only under the influence of gravity, assuming v\_out to be 0.

* 1. Only Major Loss Considered
  2. All loss considered

# Works Cited

Engineering Toolbox. (2005). *Pipe or Duct Systems*. Retrieved 2011, from Engineering ToolBox: http://www.engineeringtoolbox.com/minor-pressure-loss-ducts-pipes-d\_624.html