Cheatography

# Fluid Mechanics Cheat Sheet

by marrgotthewise (marrgotthewise) via cheatography.com/113347/cs/21689/

## SI System

| | | |
|---|---|---|
| **Length** | meter | m |
| **Time** | second | s |
| **Mass** | kilogram | kg |
| **Force** | newton | n |
| **Temperature** | | |
| **Absolute Temperature** | | |
| **Earth's gravity** | $g=9.81m/s^2$ | |

## Density

## Sutherland Equation

## Pressure

## Rate of Shearing Strain

## BG System

| | | |
|---|---|---|
| Length | foot | ft |
| Time | second | s |
| Mass | slug | slug |
| Force | pound | lb |
| Temperature | degree Farenh-eight | F |
| Absolute Temper-ature | degree Rankine | R |
| Earth's gravity | $g=32.2ft/s^2$ | |

## Andrade's Equation

## Specific Gravity

## Ideal Gas Law

## Shearing Stress

## EE System

| | | |
|---|---|---|
| **Length** | foot | ft |
| **Time** | second | s |
| **Mass** | pound mass | lbm |
| **Force** | pound force | lbf |
| **Temperature** | degree Farenh-eight | F |
| **Absolute Temper-ature** | degree Rankine | R |
| **Earth's gravity** | $g=32.2ft/s^2$ | |

## Specific Weight

## Specific Volume

## Velocity Gradient

## Kinematic Viscosity


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