

Strongly Compressible Fluid

Compressible Fluid with Fluid Compressibility depending on pressure p :

$$(1) \quad \frac{\partial c}{\partial p} \neq 0$$

This is equivalent to fluid compressibility factor having non-linear dependence on pressure:

$$(2) \quad \frac{\partial Z}{\partial p} \neq \text{const}$$

All gases and liquid petroleum hydrocarbons are Strongly Compressible Fluids.

See also

[Physics](#) / [Mechanics](#) / [Continuum mechanics](#) / [Fluid Mechanics](#) / [Fluid Dynamics](#) / [Fluid Compressibility](#) / [Compressible Fluid](#)

[[Compressibility](#)] [[Incompressible matter](#)] [[Incompressible flow](#)]

[[Slightly Compressible Flow](#)]