

Grashof number = Gr

[@wikipedia](#)

[Dimensionless quantity](#) characterising the development of [Natural Thermal Convection](#):

(1)
$$\text{Gr} = \frac{g \beta \Delta T L^3}{\nu^2}$$

where

ΔT	Temperature gradient across Natural Thermal Convection	ν	Kinematic viscosity of the fluid
β	Thermal expansion coefficient of the fluid	g	Standard gravity constant
L	Characteristic length of Natural Thermal Convection		

See also

[Physics](#) / [Thermodynamics](#) / [Heat Transfer](#)

[[Dimensionless Heat Transfer Numbers](#)] [[Prandtl number](#)] [[Rayleigh number](#)]