

Geostatic Pressure @model

[@wikipedia](#)

(1)
$$p(z) = p_0 + g \cdot \int_{z_0}^z \rho_B(z) dz$$

where

$p(z)$	Geostatic Pressure at the True Vertical Depth z
p_0	air pressure at surface
z	True Vertical Depth of a given location rock
z_0	True Vertical Depth of a surface
ρ_B	Bulk Density

See Also

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Rock Geomechanics](#) / [Geostatic Pressure](#)