

Relative Gas Mobility

A property characterising agility of the [gas](#) under [pressure](#) gradient with account of [relative permeability](#) and [dynamic fluid viscosity](#):

(1)
$$M_{rg}(s) = \frac{k_{rg}}{\mu_g}$$

where

$k_{rg}(s)$	relative formation permeability to gas
μ_g	dynamic viscosity of gas
$s = \{s_\alpha\}$	reservoir saturation $\sum_\alpha s_\alpha = 1$

See also

[Physics](#) / [Fluid Dynamics](#) / [Percolation](#)

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Field Study & Modelling](#)

[[Petrophysics](#)] [[Basic reservoir properties](#)] [[Permeability](#)] [[Absolute permeability](#)] [[Relative permeability](#)] [[Wettability](#)] [[Phase mobility](#)] [[Relative phase mobilities](#)]