

Relative Water Mobility

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

(1)
$$M_{rw}(s) = \frac{k_{rw}}{\mu_w}$$

where

$k_{rw}(s)$	relative formation permeability to water
μ_w	dynamic viscosity of water
$s = \{s_\alpha\}$	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](#)]