

Water relative permeability

Relative permeability to water percolation:

(1)
$$k_{rw}(s) = \frac{k_w(s)}{k_a}$$

where

$k_w(s)$	water permeability
k_a	absolute permeability
$s = \{s_\alpha\}$	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](#)] [[Wettability](#)] [[Permeability](#)] [[Absolute permeability](#)] [[Relative permeability](#)] [[Water permeability](#)]