

Drainage radius (re)

Quantitative measure of a [drainage area](#) A_e half-size:

$$(1) \quad r_e = \sqrt{\frac{A_e}{\pi}}$$

It makes a physical sense of a geometrical average distance from well to the [drainage area](#) boundary.

For a circular-shape [drainage area](#) with centred well it makes a direct sense of a distance between a well and [drainage area](#) boundary.

See also

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

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

[[Drainage volume](#)] [[Drainage area \(Ae\)](#)]