

# Apparent Transmissibility

The value of [transmissibility](#) in constant properties homogeneous 2D radial pressure diffusion model with the same drawdown pressure response as the actual drawdown.

## Motivation

Reservoir properties around and between the wells are varying and may lead to substantial variation of [transmissibility](#).

Using equivalent constant properties homogeneous 2D radial pressure diffusion model helps characterising the massive volume of varying properties reservoir with a single number.

This type of apparent estimations helps pressure modelling, production forecasts and 3D model calibration.

The important example of apparent transmissibility are: [Apparent well drainage transmissibility](#) and [Apparent cross-well transmissibility](#)