

Finite conductivity fracture

A [fracture](#) with a [pressure gradient](#) along the gap during the [fluid flow](#).

Unlike [Infinite conductivity fracture](#) the [fluid flow](#) along the [fracture plane](#) in [finite conductivity fracture](#) is accountable along with [fluid inflow](#) from [reservoir](#) into a [fracture](#).

Since the [permeability](#) of the [fracture](#) is usually much higher than that of [reservoir](#) and the [fluid flow](#) velocity along the [fracture plane](#) is much higher than in [reservoir](#) and corresponding [pressure gradient](#) is much lower than in [reservoir](#).

In [Pressure Transient Analysis](#) the [infinite conductivity fracture](#) is a very rare difficult to diagnose but this concept is widely used in geomechanical [Hydraulic Fracture modelling](#).

See Also

[Geology / Rocks / Fracture](#)

[[Fracture](#)] [[Infinite conductivity fracture](#)] [[Finite conductivity fracture](#)]

[[Petroleum Industry / Upstream / Well / Well-Reservoir Contact \(WRC\) / Hydraulic Fracture](#)]

[[Production / Subsurface Production / Well & Reservoir Management \(WRM\) / Well stimulation / Hydraulic Fracturing](#)]

[[Hydraulic Fracture @model](#)]