

Reservoir Noise

While fluid percolates through porous media it generates the acoustic noise in a wide frequency range.

The main reason is that percolation process at pore level is never laminar and micro-turbulence in pore-to-pore fluid migration is accompanied by density variation which creates pressure pulse propagation which is then called the acoustic noise.

The mathematical model of the reservoir noise is given by [Reservoir Flow Noise @model](#).

See also

[Physics](#) / [Mechanics](#) / [Continuum mechanics](#) / [Fluid Mechanics](#) / [Fluid Dynamics](#) / [Fluid Flow](#) / [Percolation](#)

[[Reservoir Flow Noise @model](#)]