

Geothermal Temperature Field = TG

[@wikipedia](#)

Natural subsurface temperature distribution $T_G(\mathbf{r})$, where $\mathbf{r}$ is [position vector](#).

It is formed by the upward vertical heat conduction from [Earth's](#) centre towards [Earth's](#) surface with account of subsurface rock inhomogeneity, local immovable heat sources and lateral/vertical heat-mass flows.

In [Basin Analysis](#) scales the [Geothermal Temperature Field](#) can be quite complex, while at a scales of a typical [Petroleum Field](#) it usually simplifies to a laterally constant [Geothermal Temperature Profile](#).

See Also

[Geology](#)

[[Petroleum Geology](#)][[Geological Model \(GM\)](#)]

[[Geothermal Temperature Profile](#)]

[[Geothermal Temperature Field @model](#)][[Geothermal Temperature Profile @model](#)]