

Trajectory (wellbore or pipeline)

The central axis line of a [wellbore](#) or a [pipeline](#) with a [position vector](#) $\mathbf{r}$ at each point of [trajectory](#) given as:

(1) $\mathbf{r} = \mathbf{r}(l) = \{x(l), y(l), z(l)\}$

where

$\mathbf{r}(l)$	position vector of trajectory point with $z(l)$ being a ture vertical direction
l	path length from pipeline intake point $\mathbf{r}_0$
$\mathbf{r}_0$	well or pipeline intake point coordinates (usually $\mathbf{r}_0 = \{x_0 = 0, y_0 = 0, z_0 = 0\}$)

In practice the [trajectory](#) is usually set by [Deviation Data](#).

See also

[Natural Science](#) / [Physics](#) / [Measuring](#) / [Positioning](#)

[[Deviation Data](#)] [[Inclination](#)] [[Azimuth](#)]