

System

[@wikipedia](#)

A group of interacting or interrelated entities (called [components](#)) that form a unified whole which is:

- delineated by its spatial and temporal boundaries
- described by its structure and interactions between [components](#)
- described by its functioning during the [evolution](#) or in response to external influence

[System](#) consists of [components](#) and [properties](#).

The full set of [properties](#) existing at the current moment is called a [System State](#).

Description of a [System](#) behaviour in response to or correlation with its [properties](#) is provided by a [System Model](#).

Depending on whether a [System](#) has properties changing over time it can be a [Static System](#) or [Dynamic System](#).

The changes of [System State](#) may happen as a direct consequence of the time flow or as response to the external factors (represented by [Model Inputs](#) in [System Model](#)).

See also

[Human](#) / [Science](#) / [Formal Science](#) / [System Science](#)

[[Components](#)] [[Properties](#)] [[System State](#)]

[[Variable property](#)] [[Constant property](#)]

[[Static System](#)] [[Dynamic System](#)]

[[System Model](#)]

[[Mathematics](#)]