

System property

A specific parameter characterizing [System](#) behaviour (it's structure and interrelation or interaction of [System components](#)) during the evolution or in response to external influence.

The [System property](#) may be [Constant](#) (taking one value only) or [Variable](#) (which may take different values over time or in response to external influence).

The [System property](#) may be [static](#) (always stays constant over [time](#)) or [dynamic](#).

A [System property](#) is not necessarily a property of each [System component](#) and may characterize a [System](#) as a whole.

For example, a massive [matter](#) consist of [atoms](#) which are components of the [System](#) while [temperature](#) is characterizing the [System](#) as a whole entity and not the [property](#) of each [atom](#).

A [System property](#) can be [quantifiable](#) or non-[quantifiable](#).

For example:

- [Temperature](#) is a [quantifiable property](#) of [Thermodynamic system](#)
- [Distribution type](#) is a non-[quantifiable property](#) of the [dataset](#)

See also

[Natural Science](#) / [System](#)

[[Model](#)] [[Constant](#)] [[Variable](#)]