

# Initial Value Problem (IVP)

[@wikipedia](#)

A set of [Integro-Differential Equations](#) on a time-domain function together with a set of additional constraints, called the [initial condition](#), specifying the value of the function (and/or its derivatives) at a given timepoint, which lead to solution honoring both [equations](#) and [initial condition](#).

## See also

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[Formal science](#) / [Mathematics](#) / [Calculus](#)