Laplace equation

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|  |  | (1) |

Where:

* X1, X2, Xn  = spatial derivatives where it can be (x,y,z etc.)

It is the most fundamental elliptic PDE which models the steady state of a diffusion like process.

Used to describe pressure in an incompressible flow, steady state diffusion and heat conduction, stresst and strain etc.

No time dependency involved