

Elements Of Partial Differential Equations Ian N Sneddon

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algebraic equation like $x^2 - 3x + 2 = 0$

Partial differential equation - Wikipedia

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PARTIAL DIFFERENTIAL EQUATIONS - Sharif

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Finite element method - Wikipedia

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where $\phi_1(x, y) = 0$ is the equation obtained by eliminating t from the equations $x = f_1(t)$, $y = f_2(t)$ and where $\phi_2(x, z) = 0$ is the one obtained by eliminating t between the pair $x = f_1(t)$, $z = f_3(t)$. A usual parameter t to take is the length of the curve measured from some fixed point.

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-[partial derivative] H /[partial derivative] $q = P(p, q, t)/R(p, q, t)$, [partial derivative] H /[partial derivative] $p = Q(p, q, t)/R(p, q, t)$ then we may put the equations (4) in the form $dp/P(p, q, t) = dq/Q(p, q, t) = dt/R(p, q, t)$ (5)

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