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In mathematics, a partial differential equation (PDE) is an equation which imposes relations between the various partial derivatives of a multivariable function.. The function is often thought of as an "unknown" to be solved for, similarly to how x is thought of as an unknown number, to be solved for, in an algebraic equation like

x

2

−
3x
+
2
=
0
.
…

Partial differential equation - Wikipedia

Homogeneous vs. Non-homogeneous. A third way of classifying differential equations, a DFQ is considered homogeneous if & only if all terms separated by an addition or a subtraction operator include the dependent variable; otherwise, it's non-homogeneous. A simple way of checking this property is by shifting all of the terms that include the dependent variable to the left-side of an equal ...

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Double Elzaki Transform Decomposition Method for Solving ...

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