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## Computational Partial Differential Equations Using MATLAB ...

His major research areas are on numerical methods for partial differential equations. Yi-Tung Chen is the co-director for the Center for Energy Research at the University of Nevada, Las

Vegas. He has a Ph.D. from the University of Utah and is an aerial systems expert in computational fluid dynamics, fluid-structure interaction and aerodynamics.

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## About For Books Essential Partial Differential Equations

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Poisson's equation is a partial differential equation encountered in Newtonian gravity, steady-state diffusion (e.g., heat), electrostatics and computational geometry. Poisson's equation is  $\Delta u = f$  (Au is called the Laplacian of u and  $\Delta = Au = 1$  In the special case of  $f = 0$ , the equation is called Laplace's equation.

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