Download Partial Differential Equations And Mathematica

Revised and updated to reflect the latest version of Mathematica, Partial Differential Equations and Boundary Value Problems with Mathematica, Second Edition meets the needs of mathematics, science, and engineering students even better. While retaining systematic coverage of theory and applications, the authors have made extensive changes that ...Partial Differential Equations Version 11 adds extensive support for symbolic solutions of boundary value problems related to classical and modern PDEs. Numerical PDE-solving capabilities have been enhanced to include events, sensitivity computation, new types of boundary conditions, and better complex-valued PDE solutions.I am trying to solve numerically a system of 3 partial differential equations and I am facing a problem. My functions are f[x,t], g[x,t] and h[x,t] and are defined for x values between S and R (for some values of R and S). The differential equations with the boundary conditions are the following:The Wolfram Language has powerful functionality based on the finite element method and the numerical method of lines for solving a wide variety of partial differential equations. The symbolic capabilities of the Wolfram Language make it possible to efficiently compute solutions from PDE models expressed as equations. - Partial Differential Equations And Mathematica