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The 'solve' command is a predefined function in MATLAB. The code for solving the above equations using the 'solve' command is as shown. Open a new M-File and type the following code. % To solve the linear equations using the solve command

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Subs Command

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To see this, repeat the above for a spacing of 0.01 instead of 0.05. 32. INTRODUCTION TO MATLAB 33 Solving several equations simultaneously EDU»  
 $eqn1 = x^2 + y^2 = 12$   $eqn1 = x^2 + y^2 = 12$  EDU»  $eqn2 = x * y = 4$   $eqn2 = x * y = 4$  In the above we have defined two equations which we will now solve for the two unknowns, x and y.

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## Solving Dynamics Problems with Matlab: Harper, Brian ...

To motivate the ideas we first consider the solution of a model equation of the form  $a(x,y)y_{xx} + b(x,y)y_{yy} + c(x,y)y_x + e(x,y)y_y + f(x,y)y = g(x,y)$ , say with Dirichlet boundary conditions in a rectangular domain. To obtain a numerical solution to this problem the first step is to choose an appropriate method and discretization.

## Solving Fluid Dynamics Problems with Matlab

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