- In general, elliptical PDE measure the strength of an item compared to its neighbors.
- Physical Examples include:
  - Heat Equations $u_t = \alpha^2 \nabla^2 u$
  - Wave Equations $u_{tt} = \alpha^2 \nabla^2 u$
  - Laplace Equation $\nabla^2 u = 0$
  - Poison's Formula $\frac{\partial^2 T}{\partial x^2} + \frac{\partial^2 T}{\partial y^2} = 0$
- Boundary Conditions for setting up a PDE solution:
  - Dirichlet
  - Neumann
  - Robbin's