

1. What's the difference between Laplace's and Poisson's equations?
2. How are two problems with using a Fourier series as an algorithm for the solution of Laplace's equation?
3. What quantities are the differences being taken of in a *finite difference* solution of a PDE?
4. What mathematical quantities are being approximated in terms of finite differences?
5. What does the expression "solving on a lattice" mean?
6. What is "relaxing" in an iterative solution of Poisson's equation?