

# Mathematical Foundations of Neuroscience - Sample Questions - Lecture 15 - Building large models step by step

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Questions marked with \* are not obligatory.

1. Describe the possible levels of spatial accuracy in neuromodeling.
2. Which model would you choose for a simulation? Explain your argument.
3. Describe some of the optimization tricks you would use in your simulation.
4. Which part of neural simulation is toughest to parallelize?
5. What is the Amdahl's law? Why is it essentially important for parallelization?