

MWF 10:20 – 11:10

Sanford Hall 312

Fall 2021





Numerical Computing

- Calculating mathematical functions: pi, irrational numbers, matrix inverse
- Numerical differentiation
- Numerical integration
- Numerical optimization









How to calculate $\sqrt{2}$?

- Bisection algorithm
- Newton-Raphson algorithm
- Speed versus Accuracy
- Jupyter notebook: https://lliu1871.github.io/stat8060/stat8060.html











How to find π and e?

• hello





























Optimization problems







