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Introduction

Andreas Kloeckner

CS357 - "Numerical Methods"

What does that mean?

Numerical -> probably with numbers

usually more than one number

$$\begin{pmatrix} 1 \\ 2 \\ 3 \\ 4 \end{pmatrix}$$

an algorithms class about *one* data type: the array!

Why study that?

The answer is never exactly right...
...but how wrong is it? -> Error analysis

Computers are fast...
solve a linear system 2000x2000

-> Complexity, Efficiency

Assemble a toolbox