< Introduction, TAs>
What is 357 about?
Num evical methods"
Numerical? -> To do with numbers (In this case, lots of them)
Methods -> Fun (interesting things to do (with numbers)
So when do computers work on numbers?
4. ~ T
-> All, The. Time.
Squiggles demo
What makes this worth studying?
- The answer is never <u>right</u> > So how wrong is it?
→ Error analysic
- Computers are fast, but> Example: 20002 linear system
not that big!
haw Dang For 4000 <sup>2</sup> ?
- Efficiency, Complexity
- Inspiration for own work with -> two squiggles with different lengths?
numb as no problem, I'll use plecewise
polynomial interpolation?
luage compussion deluo

## Stuff to mention

- books
  - what, price
- dass velpaye

bit.ly/06357-814

do not lyer) bookmak redir URLs

wot paint > code subm. occasionally time out

-> no grade overview yet.

- instant message forhere
- initial contact: linear algebra pre-quiz
  - -> ploase take before lacture Z
  - -> poliminary results
  - -> will discuss in lec?
- usually, video + short graded quiz before each class posted by midnight the day before
- for lec 2, two things:
  - grading policies intro + quiz
  - starts \* for ght & for Thu
- HWO, due next The (on web tonight)

- work du + exams generally on The
- more material: recordings, notes, domos, scribble PDFs
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- Piazza
- make sure to join
- questions
-cusucroach other
- we'll answor, too - after a while
- class amonice ments
- Python
3
Open free cross-platform
mature
modulas
widely used
J
Numpy
U
- Virtual machine
Python demo
Numpy demo
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