CSCI 136:
Data Structures
and
Advanced Programming

Lecture 34

Final class

Instructor: Dan Barowy
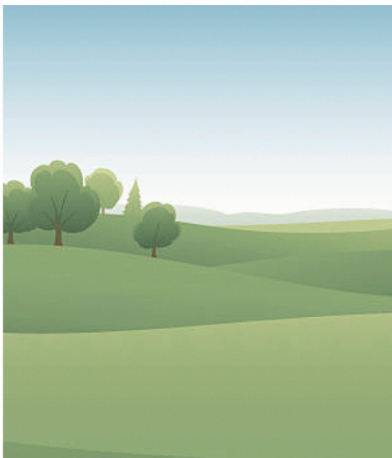
Williams

Announcements

Final: Wednesday, May 15 @ 1:30pm in TPL 203

Review session: Monday, May 13 from 4-6pm in TPL 203

Announcements

Join us for a Science Picnic!

Who: Majors, Faculty, and Staff from Chemistry, Biology, Geosciences, Astronomy, Computer Science, and Physics

When: Friday, May 10, 2019 at 3:30 p.m.

Where: ~~Science Quad~~   First Floor SSB

Come eat (hamburgers/veggie burgers, hot dogs, salads, etc., etc.), play some ~~lawn~~ games, ~~enjoy the sunshine~~, and maybe even see some friends that have been in hibernation since the fall semester!

Direct any questions to Anthony Carrasquillo, ajc7@Williams.edu

---

What to expect in CS

CS256: Analysis of Algorithms

(10 runs of Karger's randomized min-cut algorithm)

CS237: Computer Organization

Intel assembly

CS334: Principles of PL

$(\lambda x.\lambda y.xy)(\lambda x.xy)$	given
$(\lambda a.\lambda y.ay)(\lambda x.xy)$	α reduce x with a
$(\lambda a.\lambda b.ab)(\lambda x.xy)$	α reduce y with b
$([(\lambda x.xy)/a]\lambda b.ab)$	β reduce a with $(\lambda x.xy)$
$(\lambda b.(\lambda x.xy)b)$	sub
$(\lambda b.([b/x]xy))$	β reduce x with b
$(\lambda b.(by))$	sub
$\lambda b.by$	elminate parens
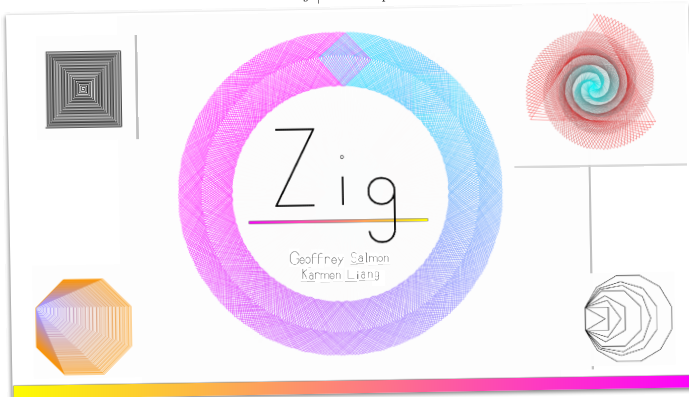
CS361: Theory of Computation
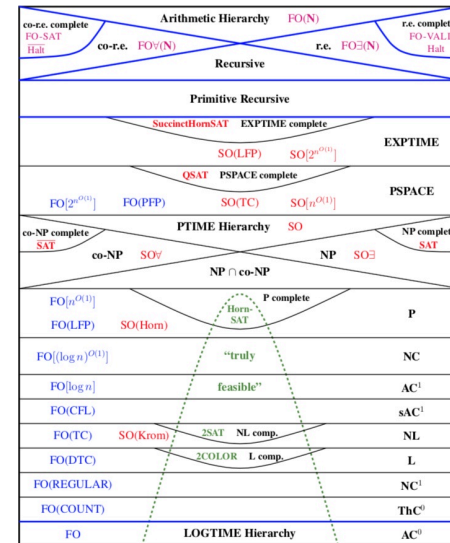
CS331: Intro. to Computer Security

CS338: Parallel Processing

CS343: App. Dev. with Functional Prog.

CS376: Human-Computer Interaction

CS315: Computational Biology

gcagtgtc01000010010100011

Image credit: Alper Uzun, PLoS Computational Biology
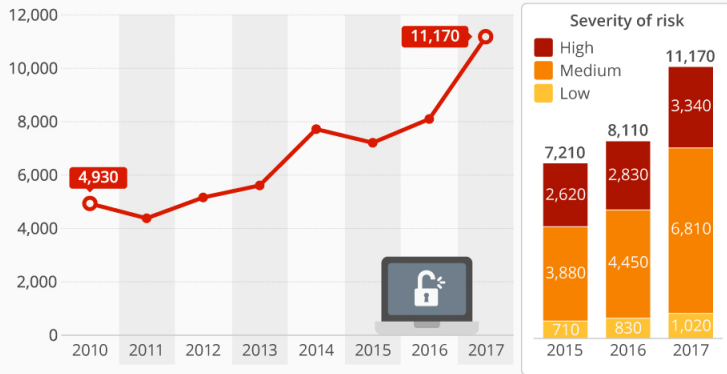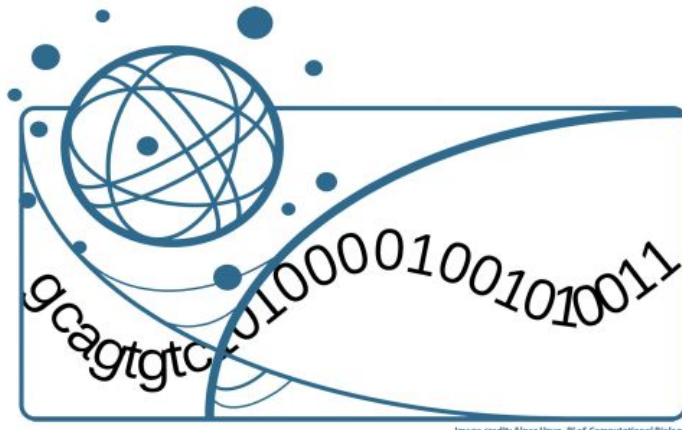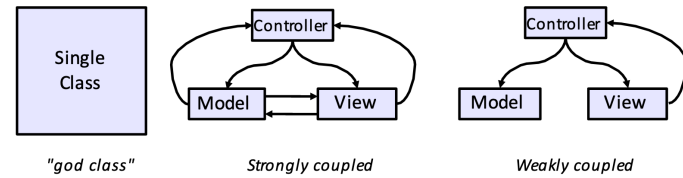
CS326: Software Methods

$$\frac{\{P\}S\{Q\} \quad , \quad \{Q\}T\{R\}}{\{P\}S;T\{R\}}$$

Single Class

Controller
Model → View

Controller
Model   View

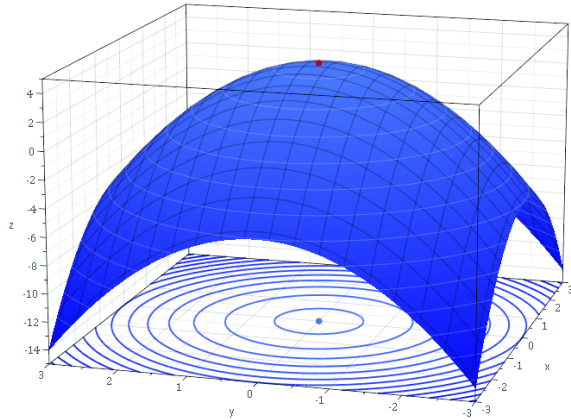"god class"   Strongly coupled   Weakly coupled

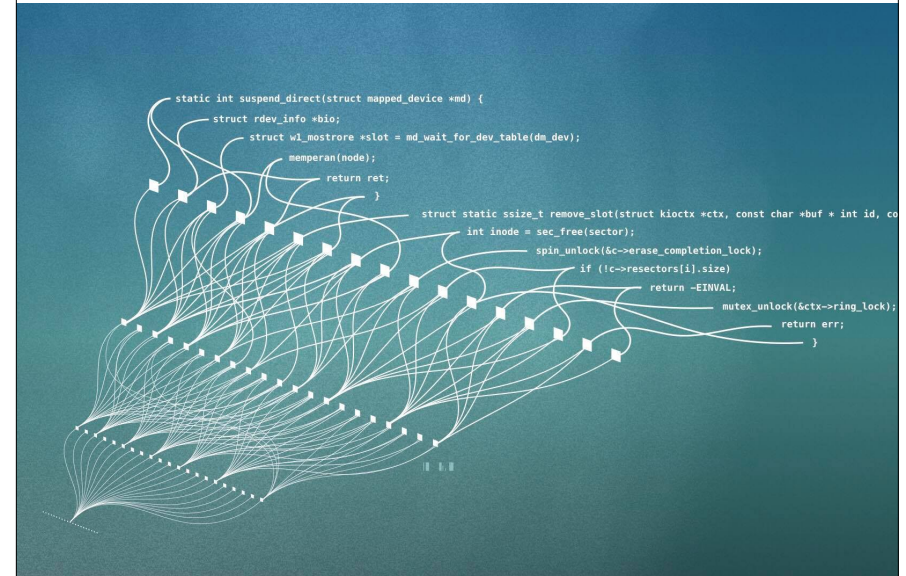## CS333: Storage Systems

CS339: Distributed Systems

CS358: Applied Algorithms

CS374: Machine Learning

Let's look at Hashtable.java

Questions?

See you Monday!

Final Exam Review

Monday, May 13 from 4-6pm in TPL 203