



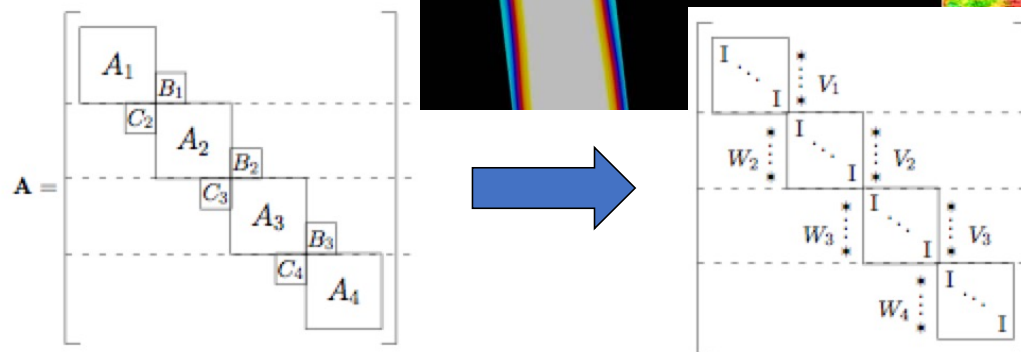
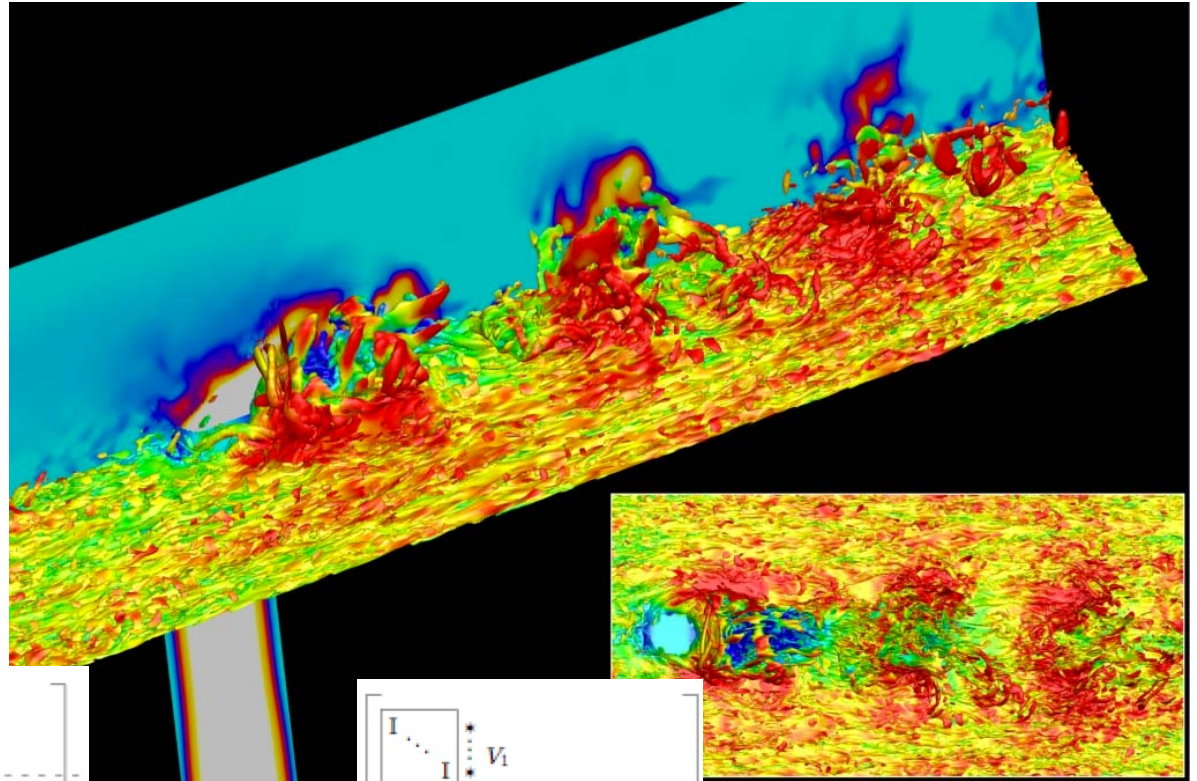
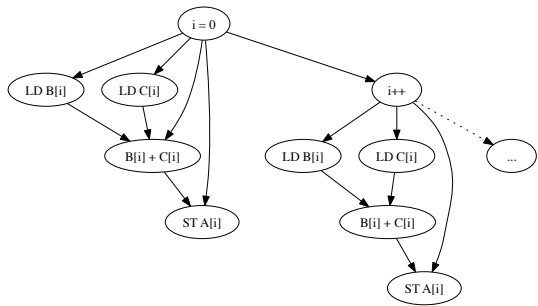
CS 225

Data Structures

August 23 – Introduction

G Carl Evans & Mattox Beckman

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Mattox Beckman



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- Interests:
 - CS Education
 - Programming Languages
 - Anything involving fermentation
 - Irish music
 - Nightwish

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How to contact us?

- Admin Email


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- Discord

<https://discord.gg/YuEwhnR>

- Piazza

<http://piazza.com/illinois/fall2021/cs225>



ECE 220

CS 126

CS 125

INFO 490
(+others)

CS 225

CS 173

MATH 213



Everything about CS 225

<https://courses.engr.illinois.edu/cs225/>

Information on:

Staff

Communications

Lab Sections

MPs

Exams

Grading

Academic Integrity



Grading Notes

Points	Grade	Points	Grade	Points	Grade
$[970, \infty)^*$	A+	$[930, \infty)^*$	A	$[900, 930)$	A-
$[870, 900)$	B+	$[830, 870)$	B	$[800, 830)$	B-
$[770, 800)$	C+	$[730, 770)$	C	$[700, 730)$	C-
$[670, 700)$	D+	$[630, 670)$	D	$[600, 630)$	D-
		$(600, 0]$	F		

* To get an A+ you need the score of 970 but you also need to have your final project or for some other work in this course to be seen as exceptional.



What is this course about?





Variables in C++

```
int myFavoriteInt;
```

```
char grade = 'A';
```

```
double gamma = 0.653;
```

```
Cat katia, gwenevere;
```

```
Cube rubix;
```

```
Person evans;
```




Encapsulation



Encapsulation

Cube.h

Cube.cpp



```
1 #pragma once Cube.h
2
3 class Cube {
4     public:
5
6
7
8
9
10
11     private:
12
13
14 };
15
16
17
18
19
20
```

Cube.cpp

```
1 #include "Cube.h"
2
3 double Cube::getVolume() {
4
5
6 }
7
8
9
10
11
12
13
14
15
16
17
18
19
20
```

Cube.h

```
4 class Cube {
5     public:
6         double getVolume();
```