
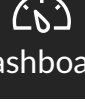



Oregon State University


Account


Dashboard


Courses


Groups

Calendar

Resources

Inbox

History

Help

INTRO TO PARAL... > Quizzes > Quiz #9

Spring 2022

Home

Modules

Syllabus

Ed Discussion

Assignments

Grades

My Media

Media Gallery

Quiz #9

Due May 29 at 11:59pm

Points 10

Questions 5

Available May 27 at 12:01am - May 29 at 11:59pm 3 days

Time Limit 60 Minutes

Instructions

Welcome to Quiz #9! Don't get so wrapped up in Memorial Day that you forget to take this!

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	7 minutes	10 out of 10

Correct answers will be available on May 30 at 12:01am.

Score for this quiz: 10 out of 10

Submitted May 27 at 2:32pm

This attempt took 7 minutes.

Question 12 / 2 pts

What does the function `cudaMalloc` do?

☒ Allocates memory in GPU memory

☐ Allocates memory in both CPU and GPU memory

☐ Allocates memory in CPU memory

Question 22 / 2 pts

What is the advantage of using OpenCL / OpenGL interoperability?

☒ It is fast. You take advantage of GPU parallelism and the data never leaves GPU memory.

☐ It saves power.

☐ It looks good on your resume.

Question 32 / 2 pts

The OpenCL function `clCreateFromGLBuffer` does this:

☐ Creates an OpenGL vertex buffer

☐ Allocates an OpenCL device memory buffer

☒ Creates an OpenCL device memory pointer from an OpenGL vertex buffer

Question 42 / 2 pts

Why does Jane Parallel do this:

```
typedef float4 point;
typedef float4 vector;
typedef float4 color;
```

☒ It makes it more obvious what her code is doing

☐ The compiler demands it

☐ Trick question -- this is illegal code and won't compile

☐ OpenCL demands it

Question 52 / 2 pts

A sphere is able to be represented as 4 numbers. What are they?

☐ Surface normal and radius

☒ Center-xyz and radius

☐ The sphere's 4 hyperbolic radii

Quiz Score: 10 out of 10

◀ Previous

Next ▶

Submission Details:

Time:	7 minutes
Current Score:	10 out of 10
Kept Score:	10 out of 10