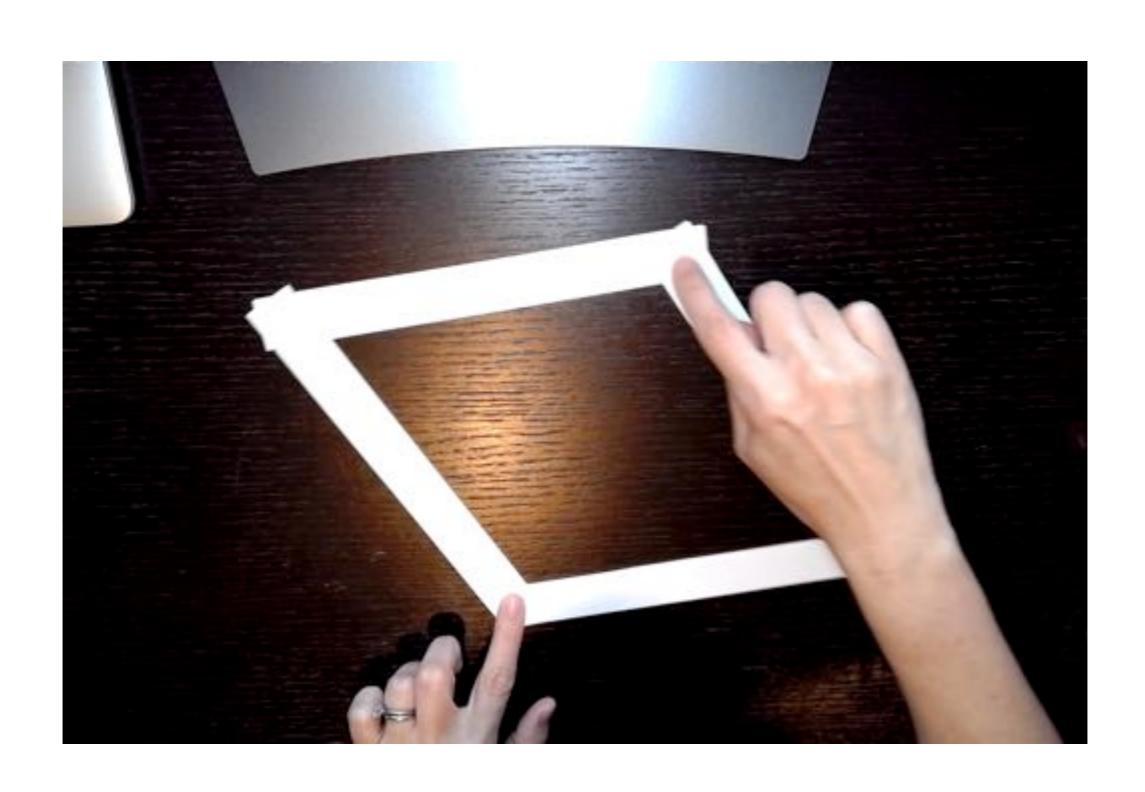


ME 327: Design and Control of Haptic Systems Spring 2020

Interactive Session 12: Kinesthetic haptic devices: multi-DOF rendering

Allison M. Okamura Stanford University

Pantograph Demo

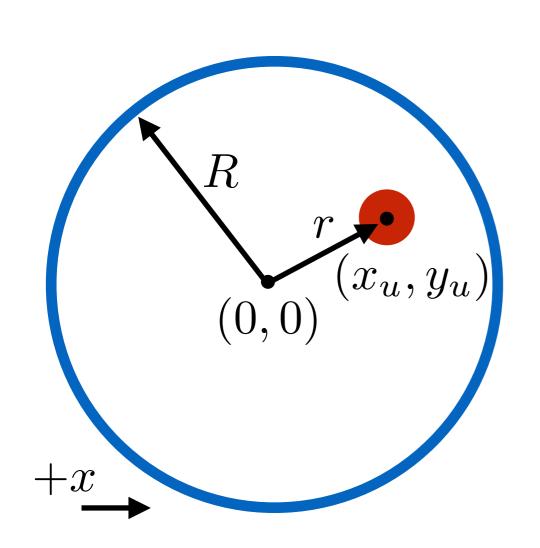


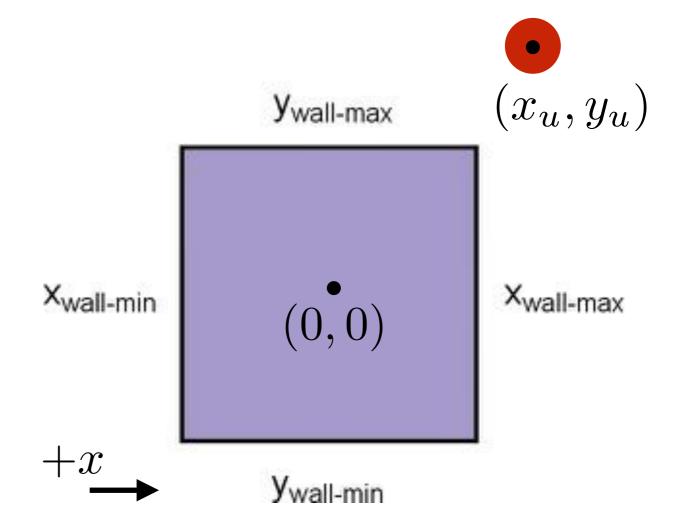
Questions from precorded video?

How would you render (in 2D)...

The inside of a circular shell

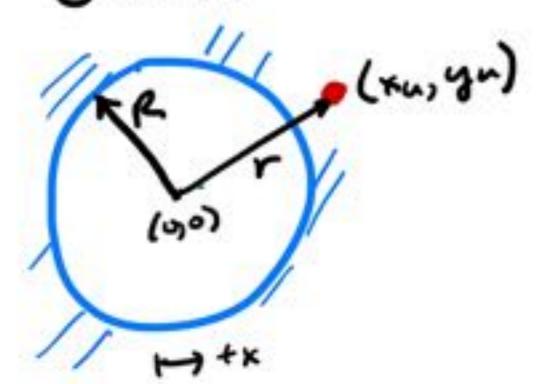
The outside of a box



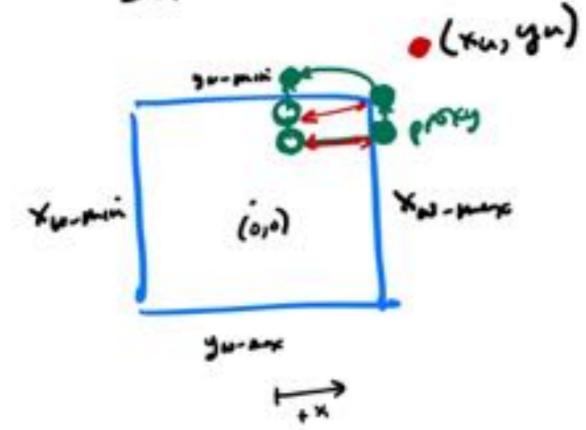


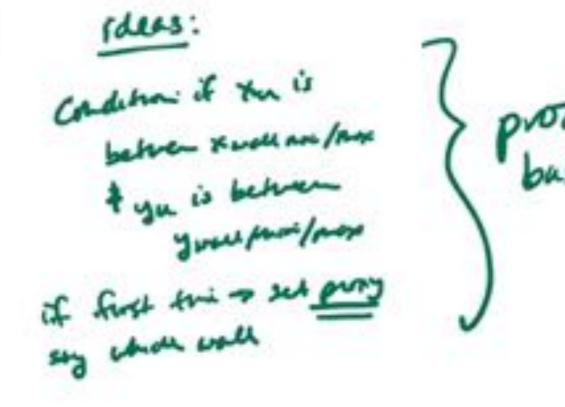
Include collision detection!

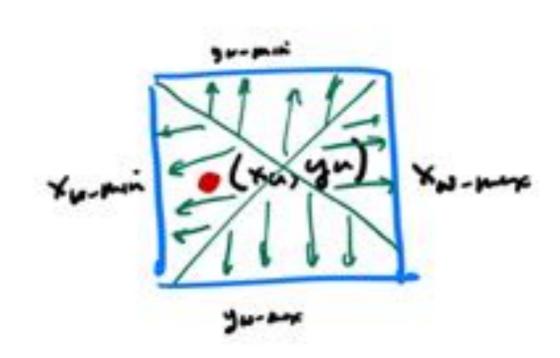
Circle (inside)



Box







S penally-based

Phantom Omni Rendering Demo

Hapkits



ME 327: Design and Control of Haptic Systems

Reminders:

Assignment 5 due today Assignment 6 to be posted today

Hapkit notes: Parts check (don't worry about intact alligator clips), superglue safety requirement, and prep for next week's interactive sessions

Quiz 2: 60 minutes, next Friday (Friday May 22)

Office Hours/Q&A with Allison until 10 am. Question queue (see tab with today's date): https://tinyurl.com/HapticsAllison