



ME 327: Design and Control of Haptic Systems

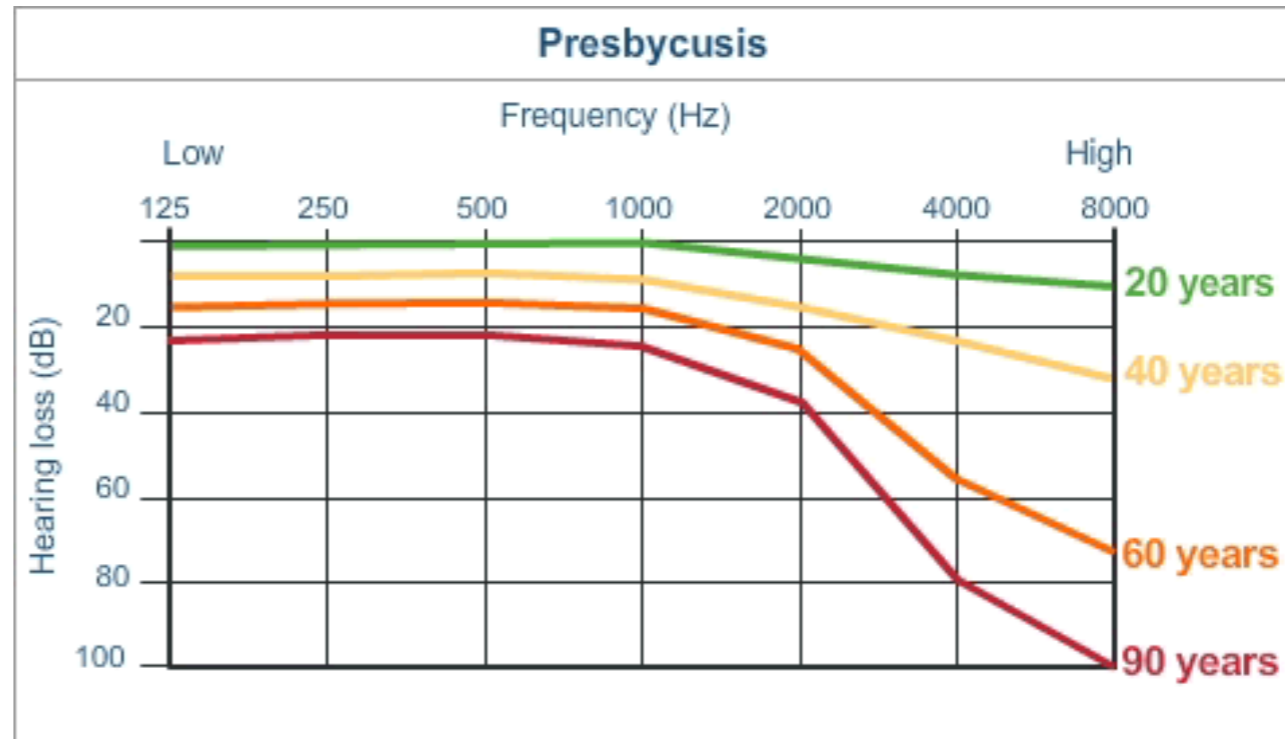
Spring 2020

Interactive Session 5: Tactile Haptic Devices

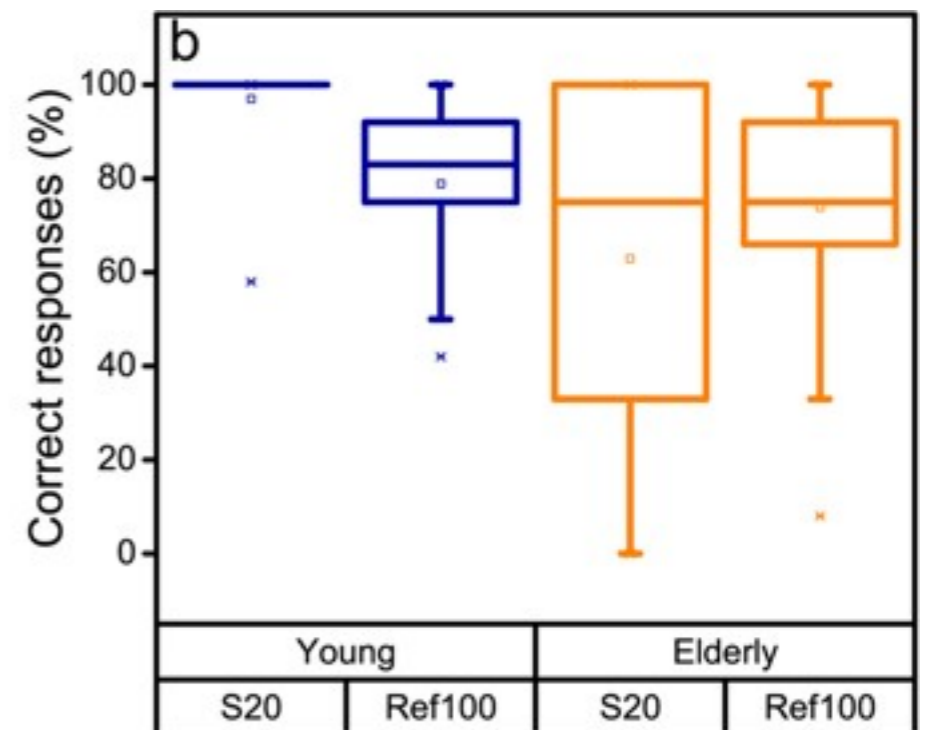
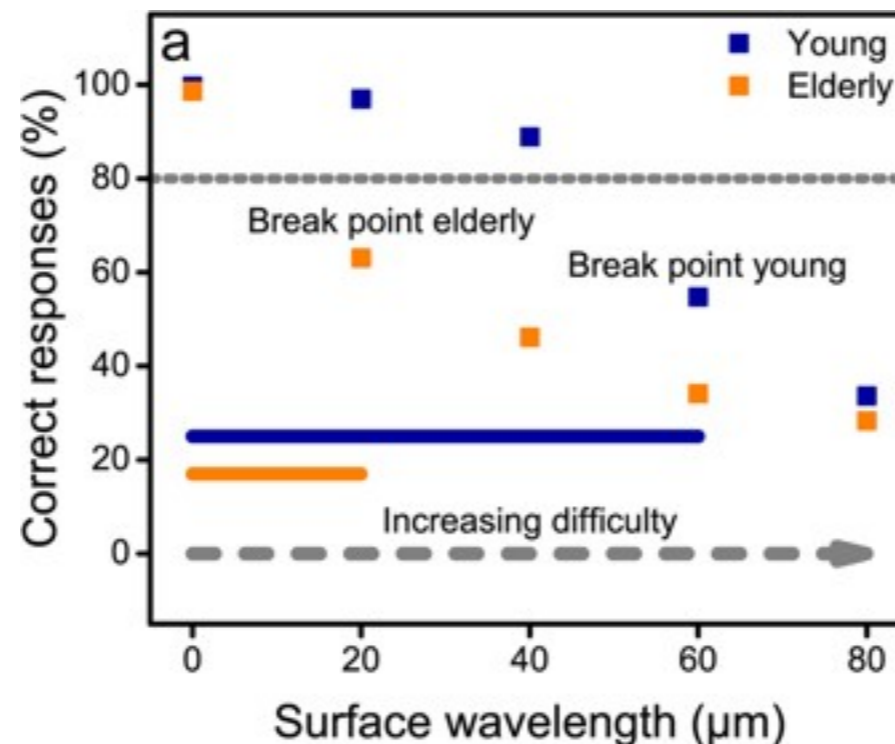
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Age-related effects

Hearing high frequency sounds decreases with age (presbycusis).



What about tactile sensitivity?

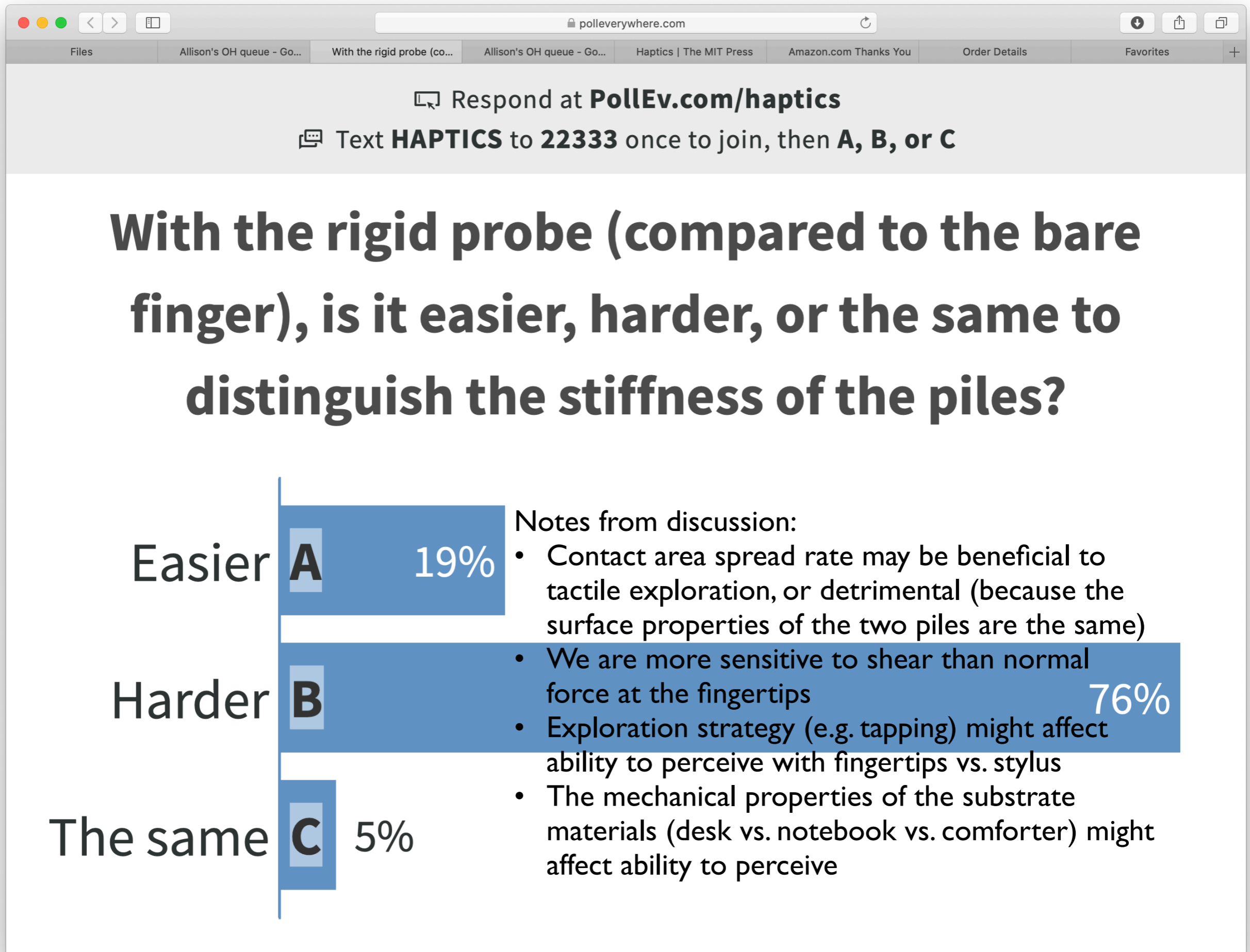


Stiffness

1. Gather a pile of napkins, tissue, or (if you can spare it!) toilet paper
2. Divide into piles of different thickness (number of layers) that can just barely be distinguished by combined cutaneous and kinesthetics sensation.
3. Now probe the piles with a rigid tool/stylus. It is easier, harder, or the same to distinguish the piles?



go to pollev.com/haptics
or
text **haptics** to 22333
once to join and then text
your response



Texture



Stereognosis without tactile feedback?



Thank you for posting questions to the Canvas discussion board!

Reminder: Assignment 2 due Thursday
Add/drop deadline this Friday

We will organize Hapkits
after the add/drop deadline

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