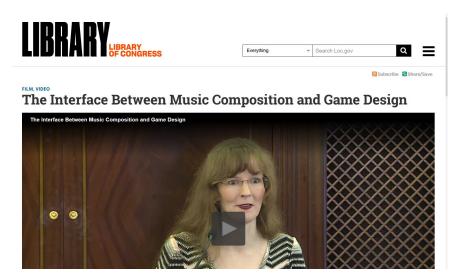


What's that sound?

Brief Overview of this lecture



Phillips, Winifred. "The Interface Between Music Composition and Game Design." Lecture, Event from The Library of Congress, Washington, D.C., May 31, 2019.

Interactive Music



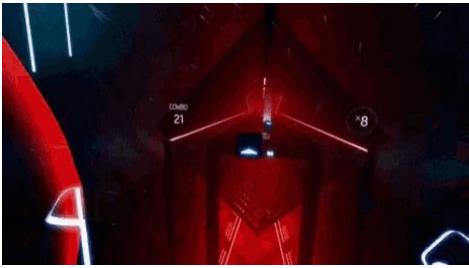






VR Implications





The Main Menu?!



Main Menu



Encyclopedia



Edit Mode



Stage Select



Horizontal Sequencing



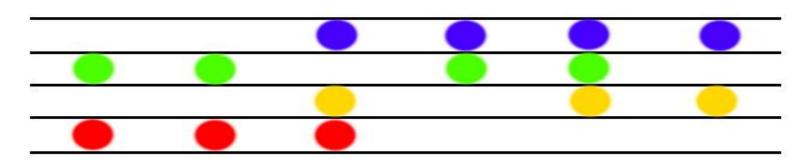
Music can be mixed and matched like notes in a measure

Horizontal sequencing examples



Tron 2.0 soundtrack composed of 5 clips that could fade into each other interchangeably

Vertical Layering



- Different tracks are layered on top of each other in any order or combination

- Often orchestrated to sound good regardless of what they're paired with



Example of Vertical Layering



MIDI (Musical Instrument Digital Interface) + MOD (Module Format)



MIDI/MOD Cont.





Generative/Adaptive Music

- No Man's Sky
 - 18 quintillion planets, how do you generate music for that?
 - Using improvised generated music!
- Minecraft:
 - Random track depending on time of day



Nier Automata Amusement Park:

Quiet -

https://www.youtube.com/watch?v=

k YDwZ-9gaA

Medium -

https://www.youtube.com/watch?v=

j4n5sx6qUVc

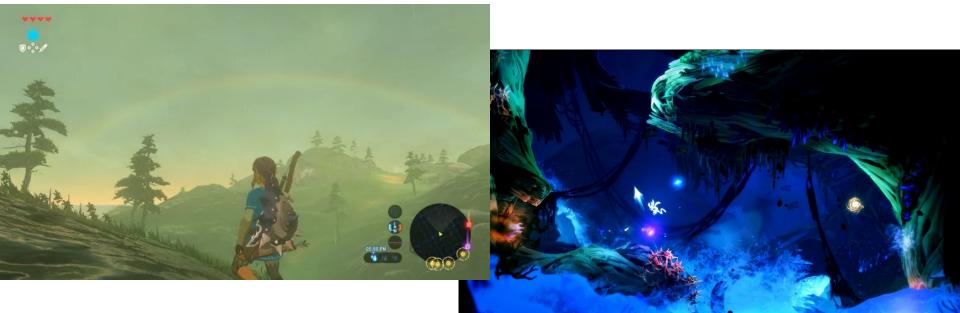
Dynamic -

https://www.youtube.com/watch?v=

jjDO91gNiCU

Sound Design for Emotion & Open Worlds

- Music most commonly used to set the tone of a scene
- Often used to put players into a certain headspace to immerse or surprise them



Music as a Cue

- Alerting an enemy
- Entering a special area





What are some game soundtracks that left an impact on you?

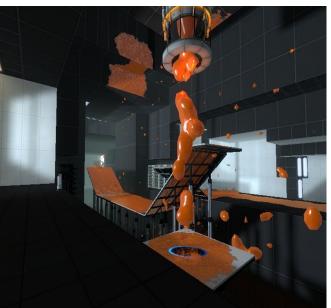
Calculated Sound Design

When to use a sound

Sounds can be interactive with the player, should be distinct for interacting with different objects

• Example: Portal 2 (https://www.youtube.com/watch?v=UJ1W4ypxhpI)





Calculated Sound Design Portal 2

Amazing sound design especially when it comes to player's distance from an object Some interesting examples:

- Picking up a block with the portal gun an electrical shock sound is emitted, which is corresponds to the portal gun shooting out a stream of sparks when picking up a block
- When going over the orange gel (makes you faster) a sound effect plays when you run on the paint, the sound constantly increases in pitch
- When going on a jumping pad, a sound gets louder as you go higher, fades away once you land back on the ground

Let's Fight!

- Combining musical immersion that loops
- Sound cues are important!
- When is it distracting?
- Music based on characters vs stage



FighterZ + Tekken 7

Fighterz OST:

https://www.youtube.com/watch?v=WiLkUMB_BsM&list=PL0OmCKrMKPWDsdOo DWam-yqwTmQOFN637

Tekken 7 OST:

https://www.youtube.com/watch?v=YpZi4-IQaXM&list=PL4ayiJWhBF9ljLRSGVdv AFJuHShOeD87L&index=9