

Barney Pratt AMPS Audio Director Supermassive Games

GAME DEVELOPERS CONFERENCE

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Supermassive Games

- BAFTA-winning, independent game studio
- Reputation for innovation in storytelling and VR
- Founded in 2008
- 150+ talented individuals
- Best known for the critically acclaimed PS4 hit Until Dawn.
- Recently announced The Dark Pictures Anthology (a series of standalone, horror games for PS4, Xbox and PC)
- The first game is Man of Medan coming out in 2019.



What does this title mean?



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- Adapt linear / film techniques into our games
- Adapt game systems to suit our game design



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- Adapt linear / film techniques into our games
- Adapt game systems to suit our game design
- Improve player's emotional engagement and sense of voyeurism



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Voyeurism

- Direct killer POV
- Observer / unseen 'in the scene'
 - Enhanced cinematic voyeurism



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- Observer / unseen 'in the scene'
 - Enhanced cinematic voyeurism

Quote – scene360.com

"...movies work as meta texts because they directly appeal to our inherent voyeuristic nature as humans. Watching other peoples lives... unseen, is a privilege the cinema affords."



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Improving player engagement

- Foley believable characters
- Attenuations voyeurism
- Mix dialog
- Music approach



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Audio team and composer Jason Graves





Example Games

MANOFMEDAN

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Example Games



Metascore

Generally favorable reviews based on 103 Critics

What's this?

Summary: When 8 friends become trapped on a rem mountain getaway gone wrong, things quickly turn sin

mountain getaway gone wrong, things quickly turn sir



Only On PlayStation.







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W

A

D



Summary: When 8 friends mountain getaway gone wro



BAFTA WINNER

ORIGINAL PROPERTY

TM

54.

W

N

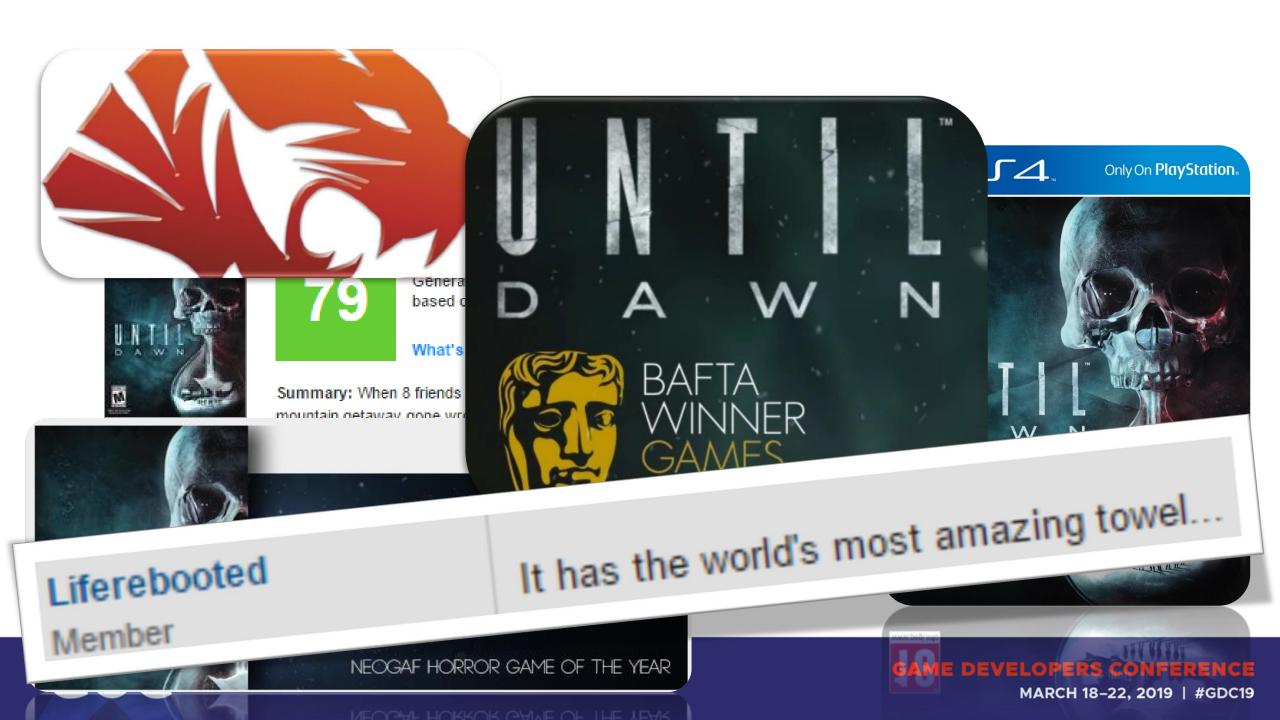
Only On PlayStation.

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ARA ARALL

NEOGAF HORKOR GAME OF THE YEAR

NEOGAF HORROR GAME OF THE YEAR



Warning!! ****Profanity and gore****



Trailers



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Game Design

- 3rd person supernatural / psychological horror
- Play your film



Game Design

- 3rd person supernatural / psychological horror
- Play your film
- Branching narrative
 - All characters can die, all can survive

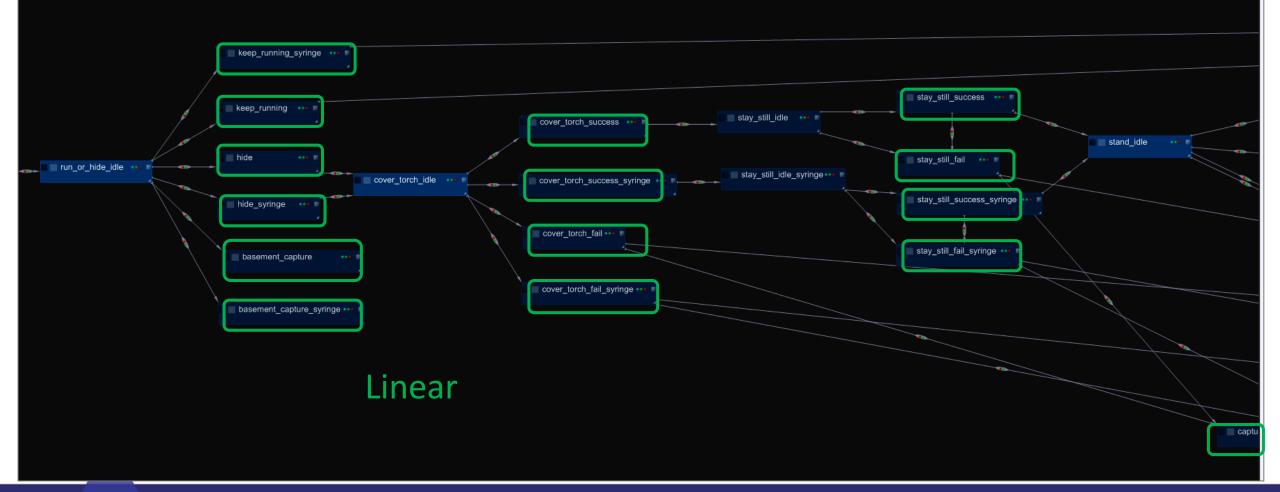


Game Design

- 3rd person supernatural / psychological horror
- Play your film
- Branching narrative
 - Adapted film edit techniques
 - Improved emotional nuance
 - Improved player immersion



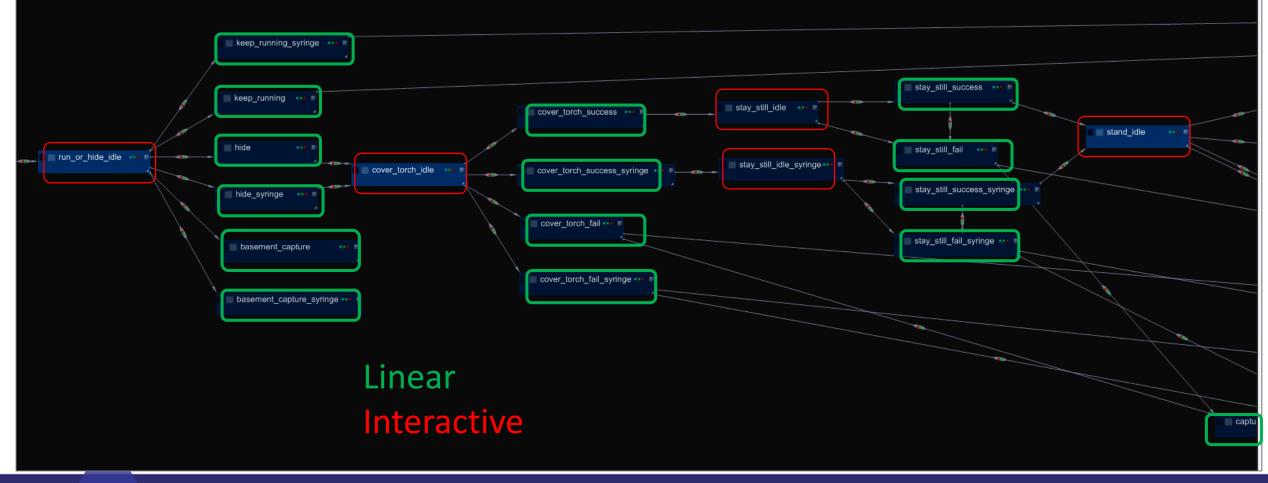
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Linear

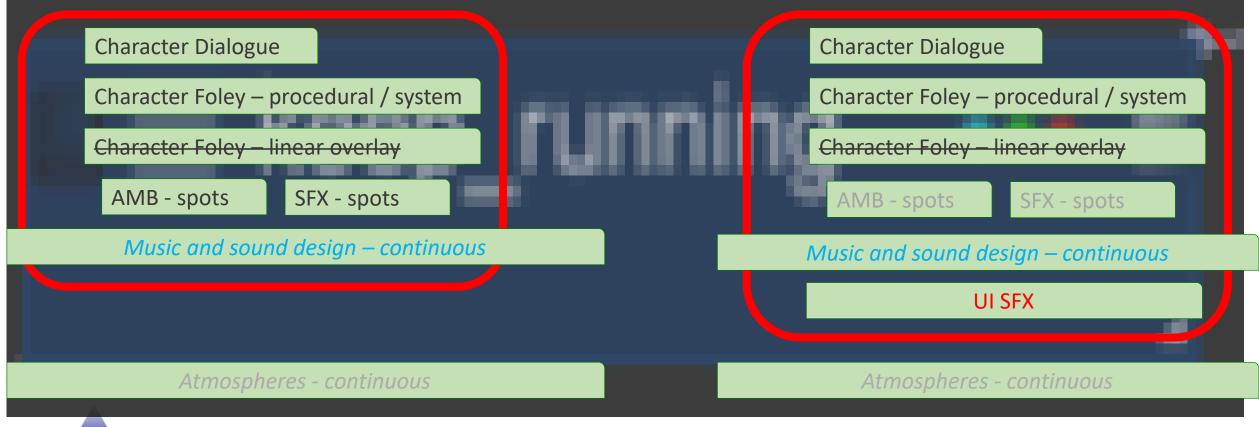


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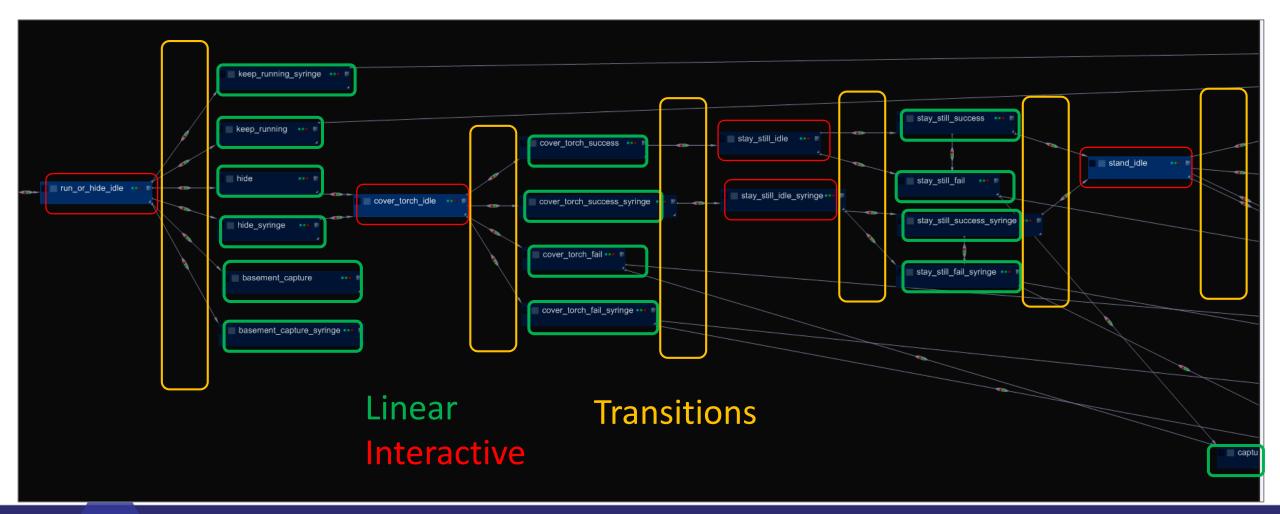
Interactive

Exploration

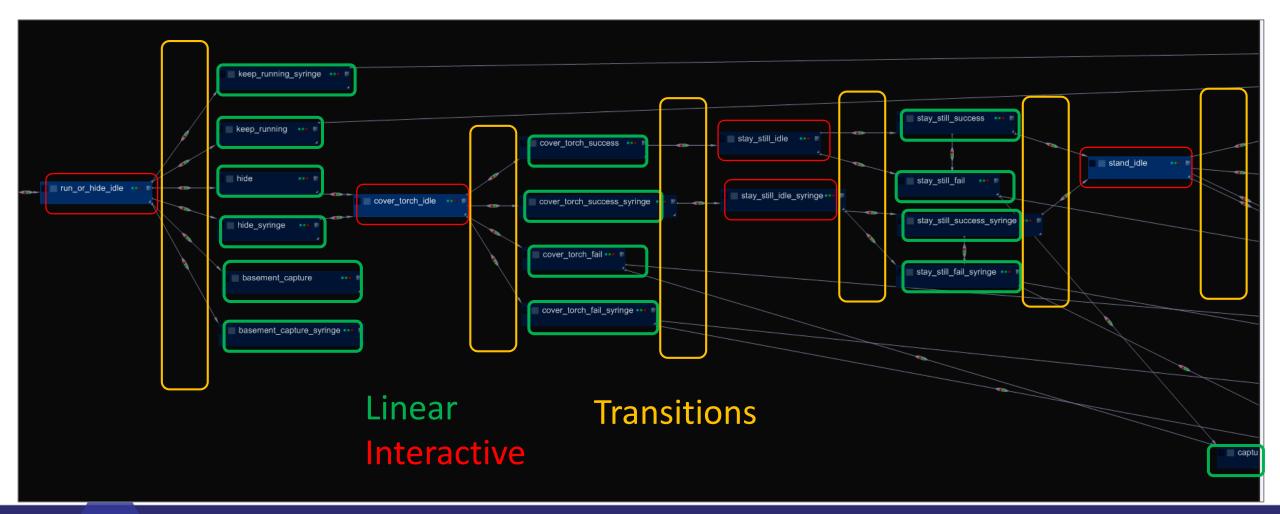
QTE / Combat







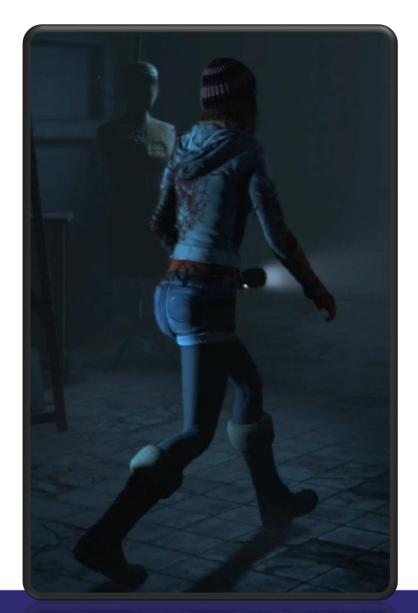
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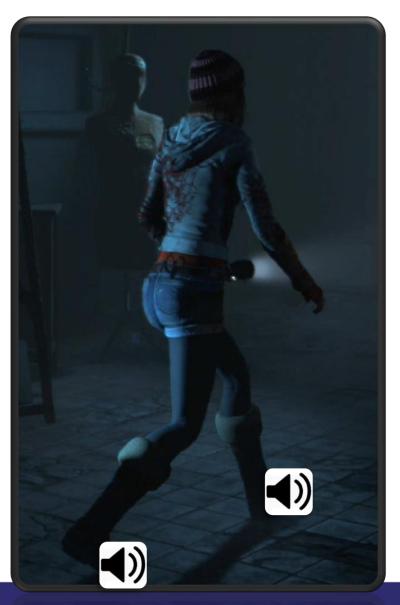


• Mocap and IK = infinite range of movement



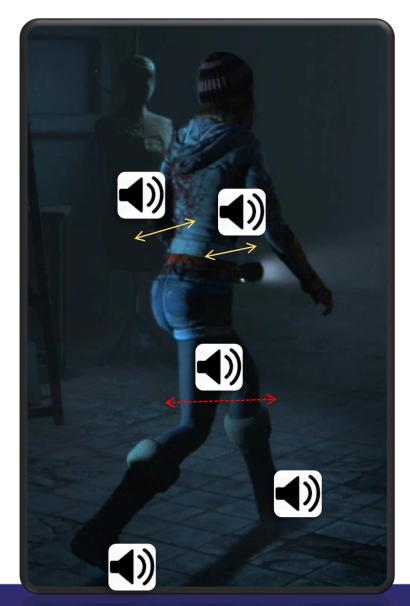


- Mocap and IK = infinite range of movement
- Procedural foley systems
 - Footsteps with surface types





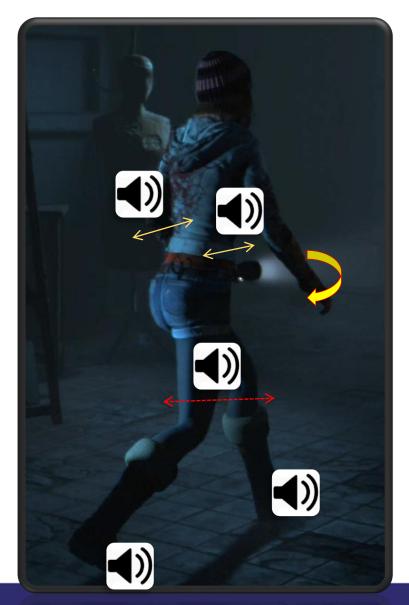
- Mocap and IK = infinite range of movement
- Procedural foley systems
 - Footsteps with surface types
 - Cloth knee pass trigger
 - Cloth elbow pass



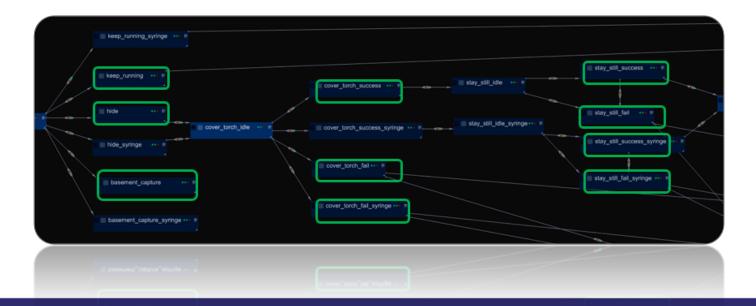
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 - Cloth wrist IK



- Mocap and IK = infinite range of movement
- Procedural foley systems
 - Footsteps with surface types
 - Cloth knee pass trigger
 - Cloth elbow pass
 - Cloth wrist IK
- Opportunity for more...

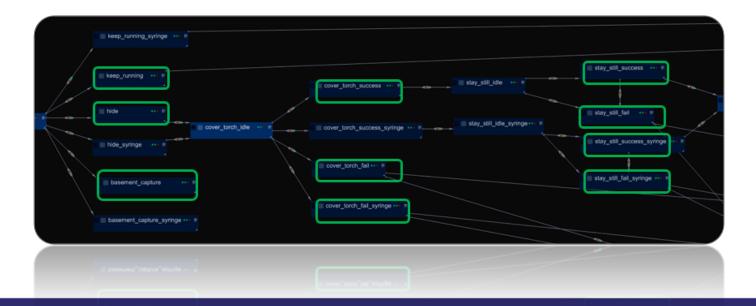


• Linear game design = linear foley



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• Linear game design = linear foley



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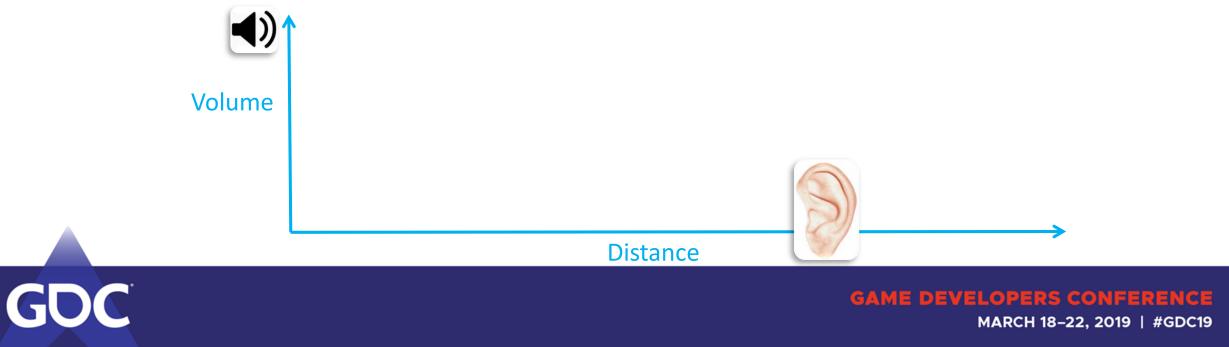




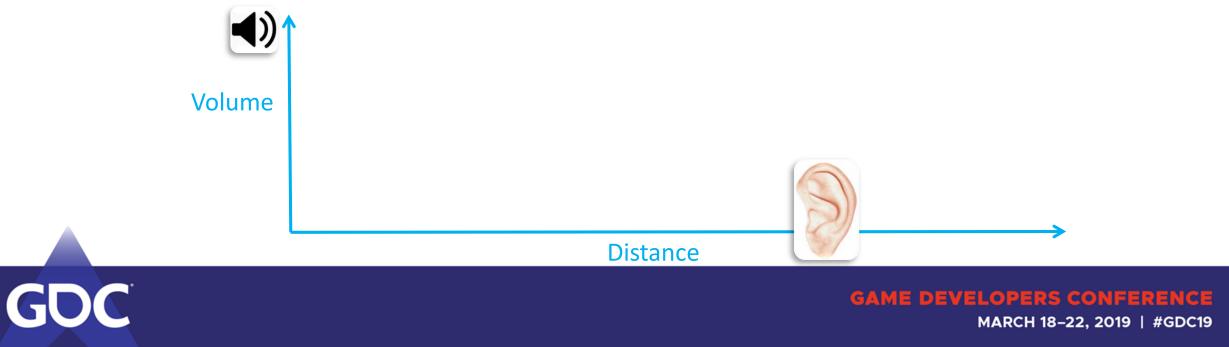


Attenuations and voyeurism

Attenuation editor

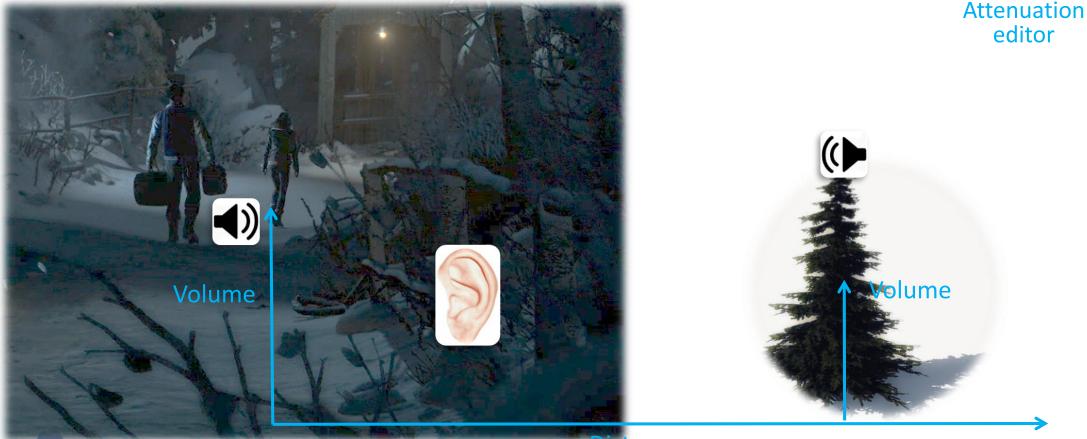


Attenuation editor





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Distance

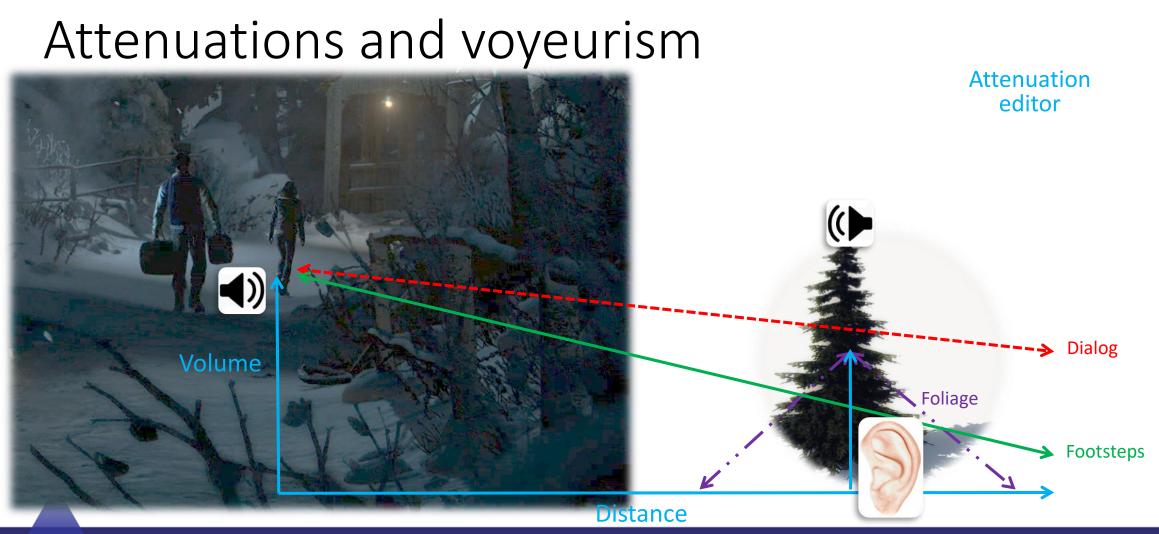
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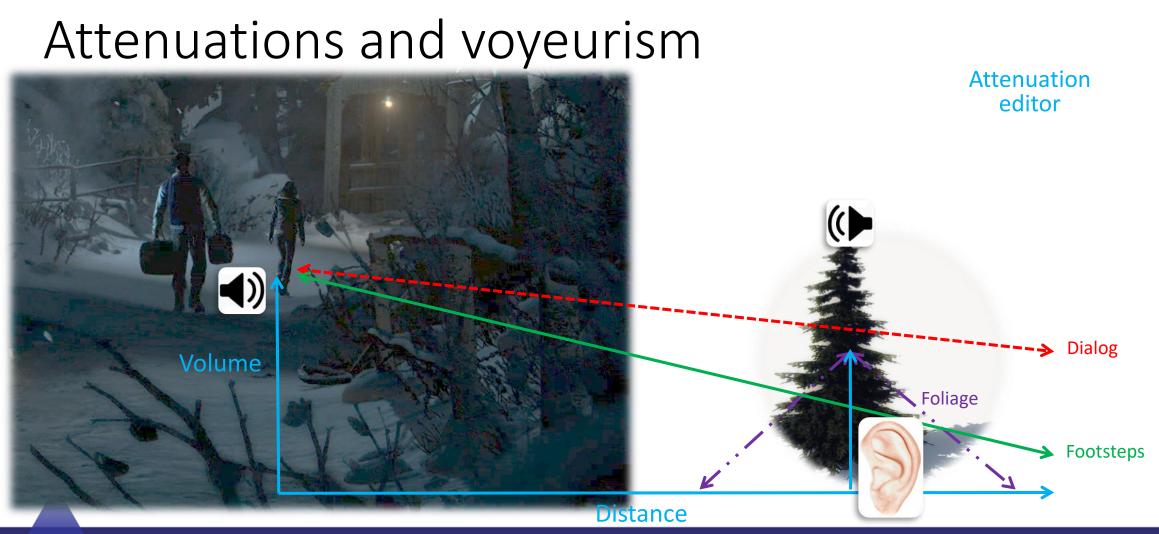
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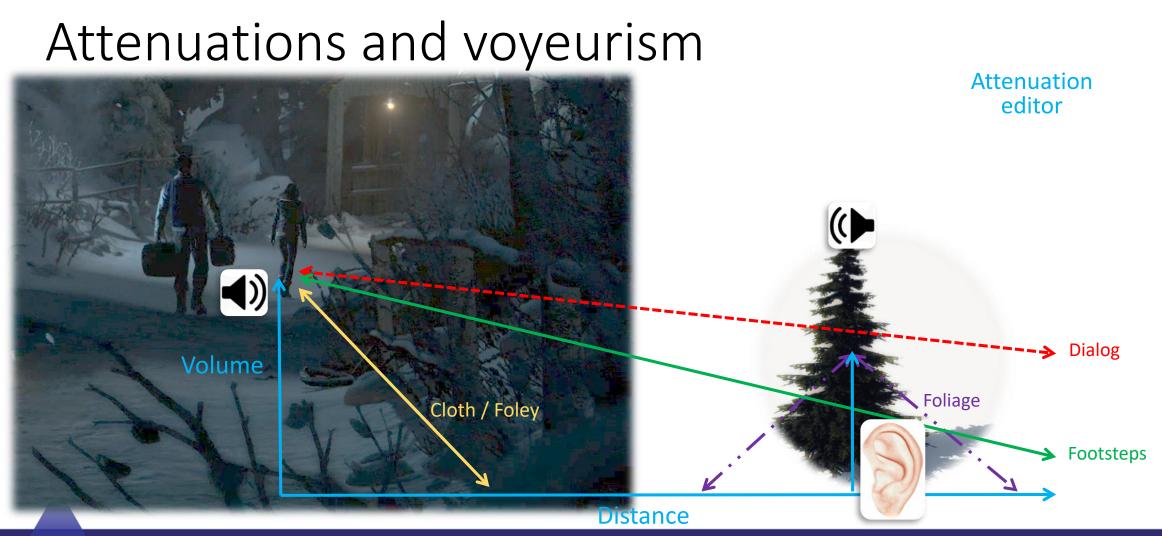
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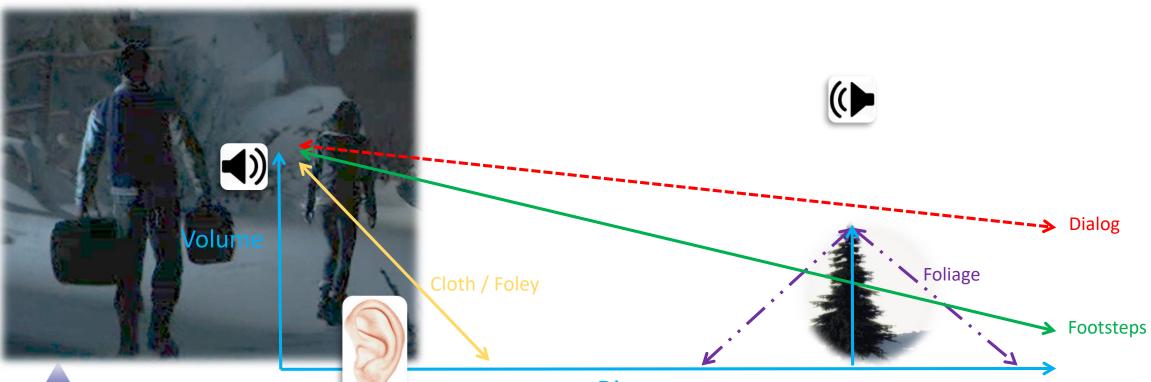


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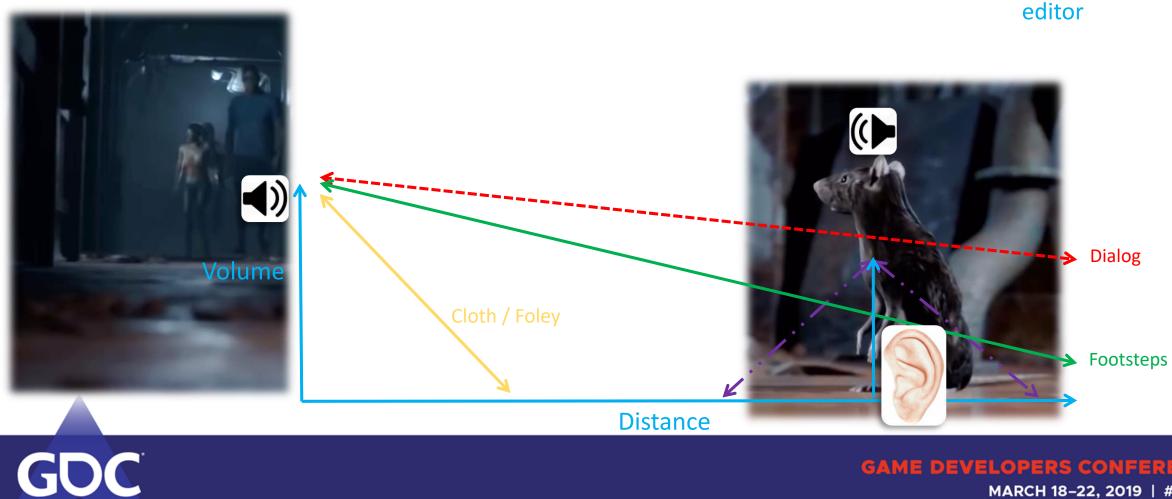


Distance

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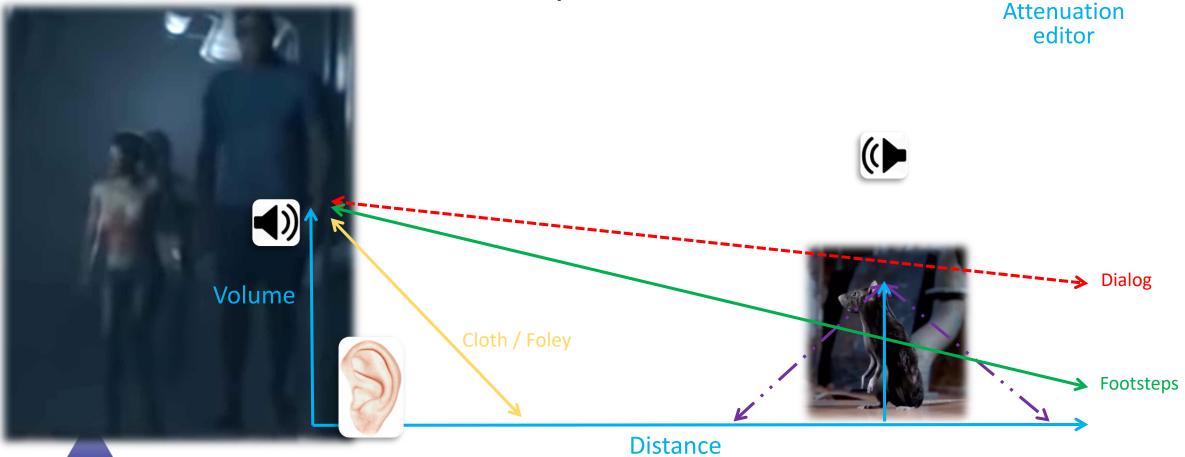
Attenuation editor

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Attenuation



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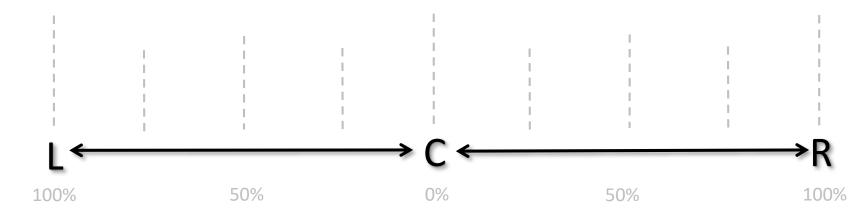
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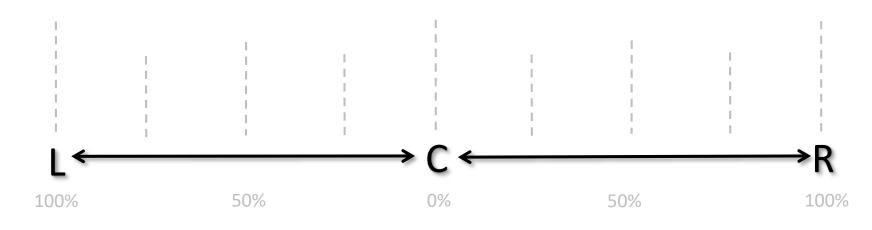






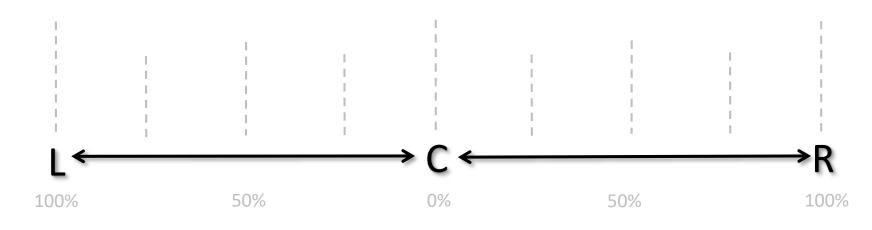


- Cinematic 3rd person cameras
 - Lots of camera cuts
 - Harsh panning jumps



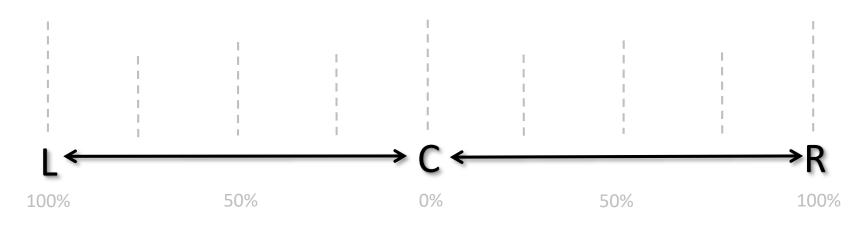


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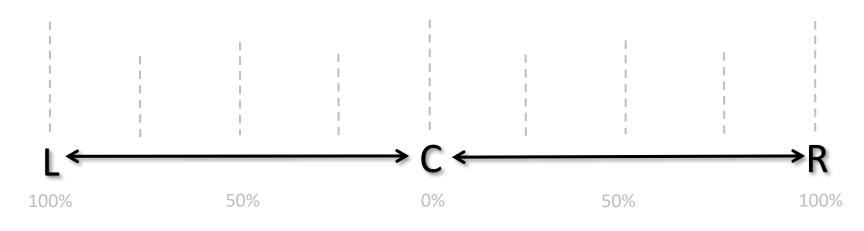
- Option 1 centre speaker only
 - Safe...
 - ...but Lifeless





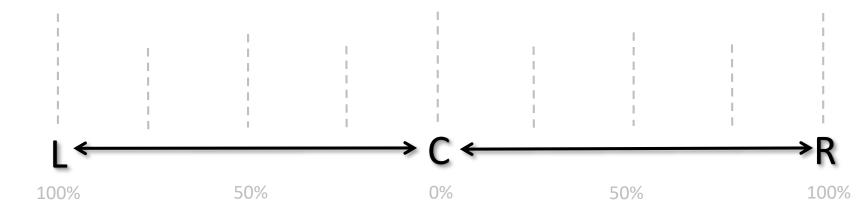
- Option 1 centre speaker only
 - Safe...
 - ...but Lifeless

- Option 2 full surround panning
 - Great directionality...
 - ...but Too harsh on camera cuts



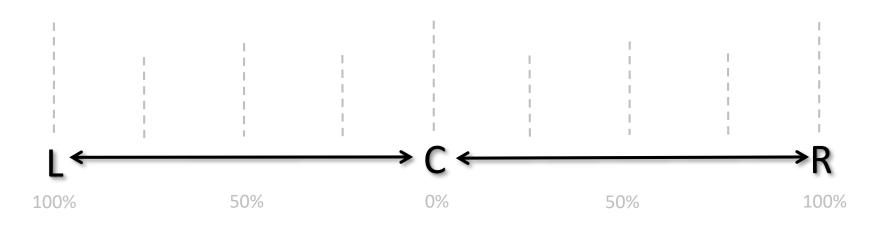


• Solution?



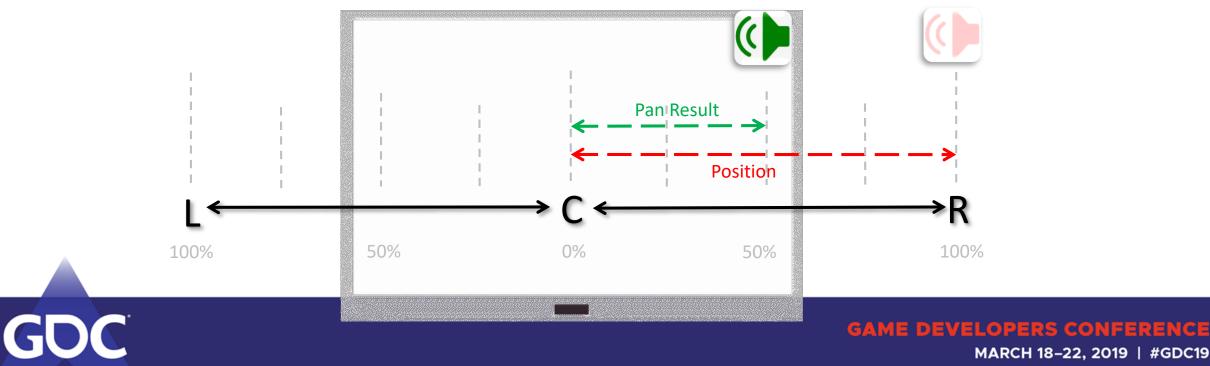


- Solution?
 - Sweet spot between the two options
 - 50% centre biased panning

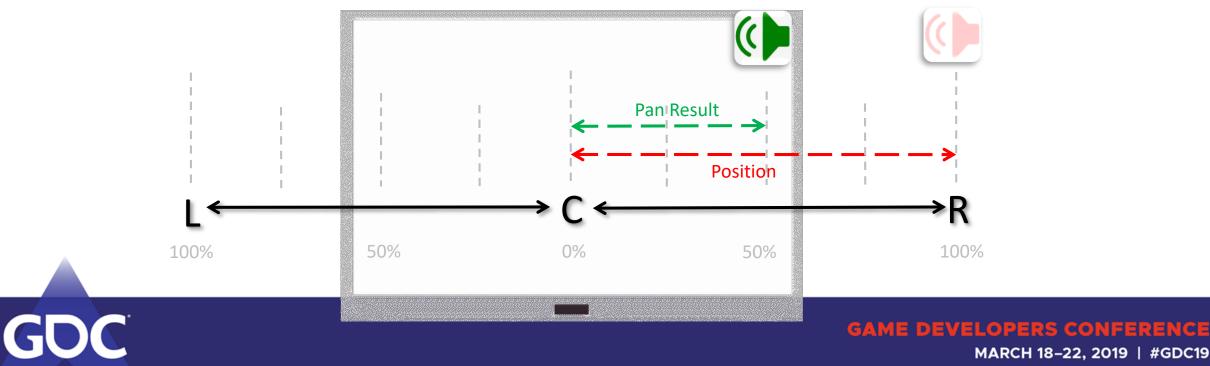




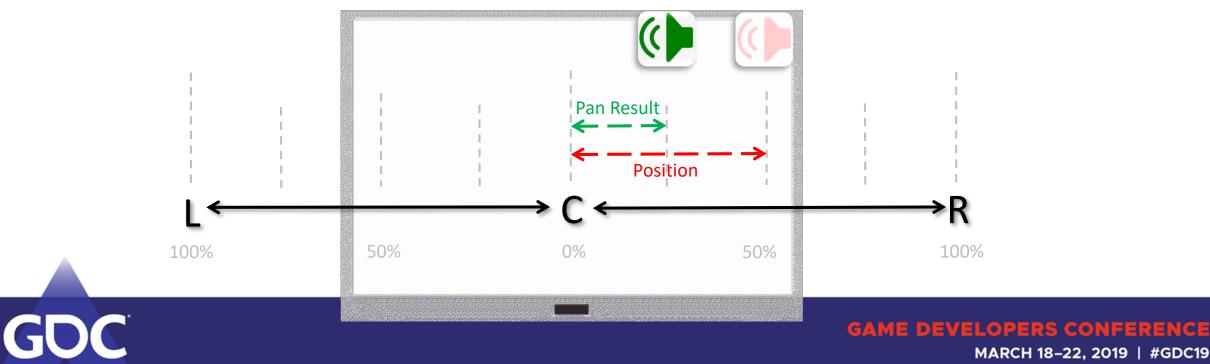
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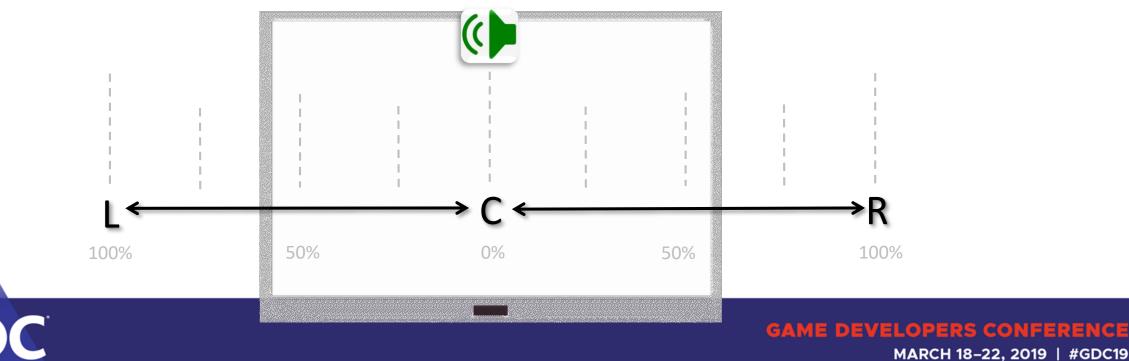
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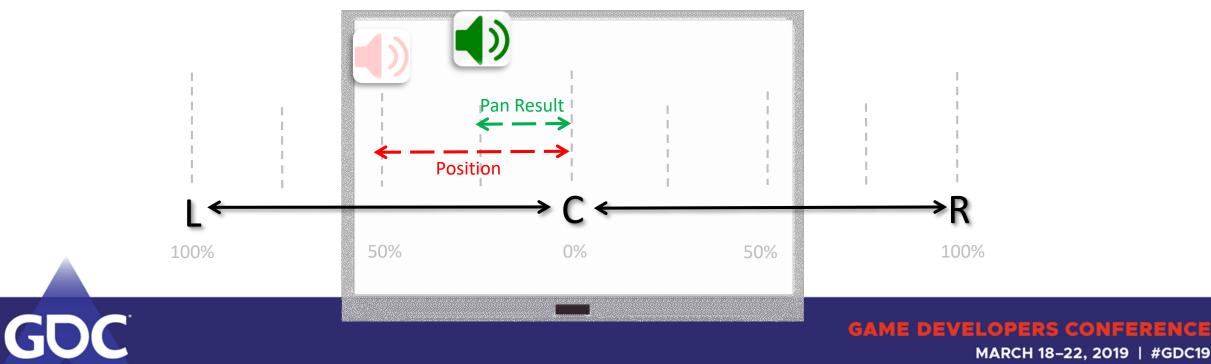
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GD

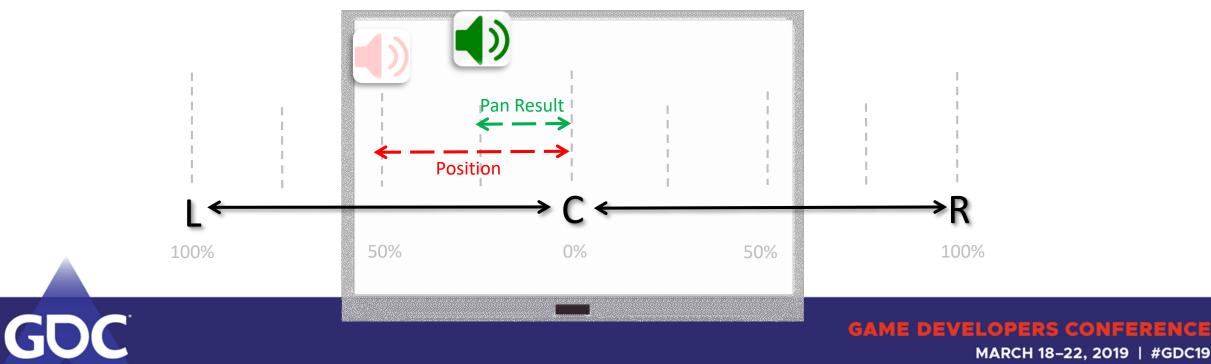
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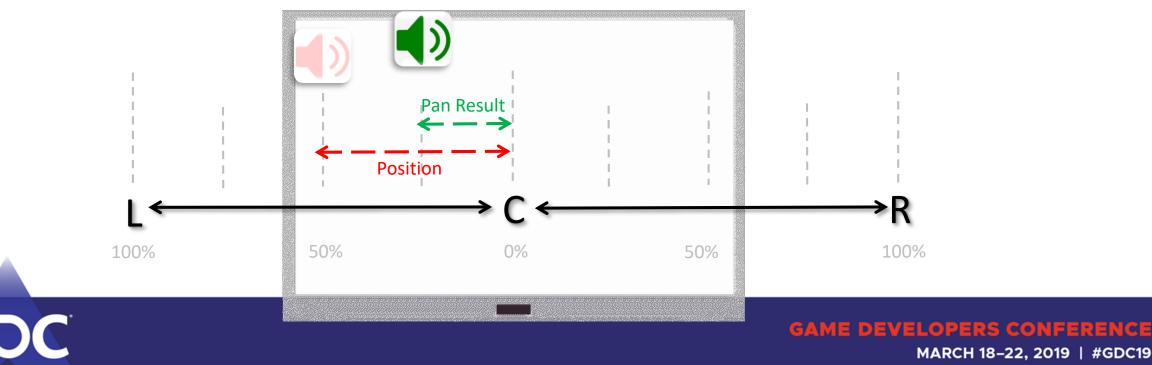
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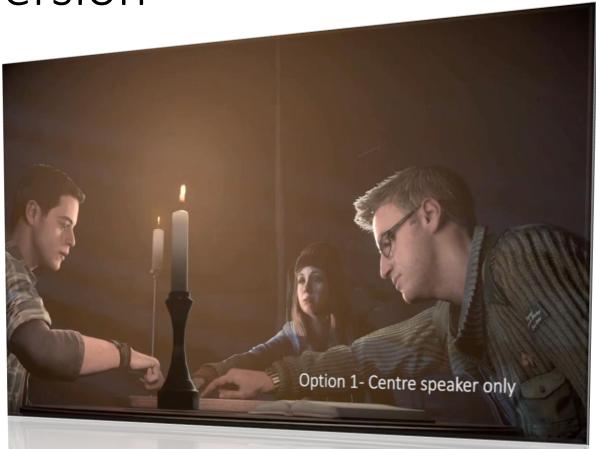
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 - Sweet spot between the two options
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- Player experience
 - Removed jarring pan / attenuation jumps
 - Kept realism / voyeurism / immersion



- Clip 1:
 - Centre only
- Clip 2:
 - Full surround positioning
- Clip 3:
 - 50% centre biased





Early audio involvement – storyboard phase

- Solidify audio direction
- Set expectations of Exec
- Discover challenges and opportunities
- Really helped unify the final experience



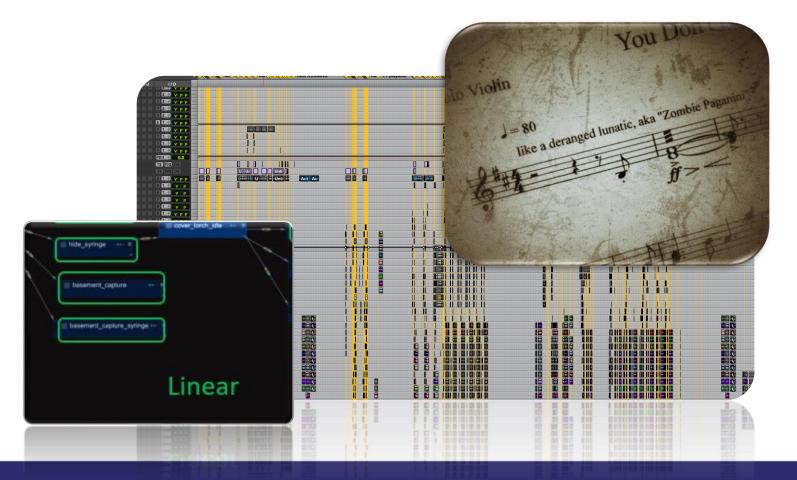


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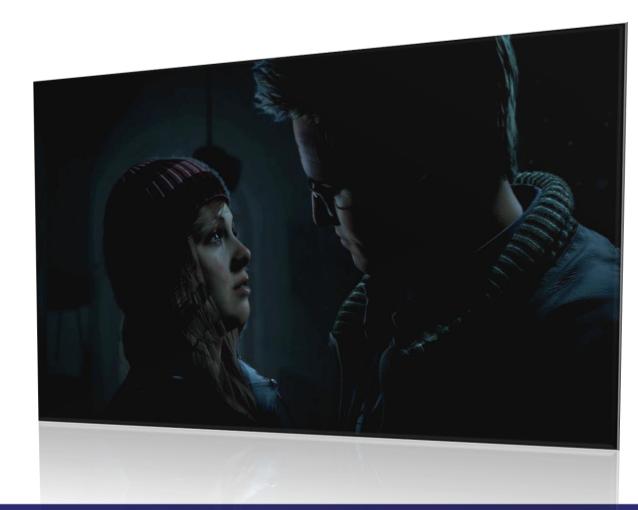
- Delivery
 - Very wide stems 20
 - Aleatroic and thematic



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 - Aleatroic and thematic
- Options:
 - Completely rearrange pieces
 - Create new cues



- Delivery
 - Very wide stems 20
 - Aleatroic and thematic
- Options:
 - Completely rearrange pieces
 - Create new cues
- Subverting a love theme:
 - Chris and Ashley theme

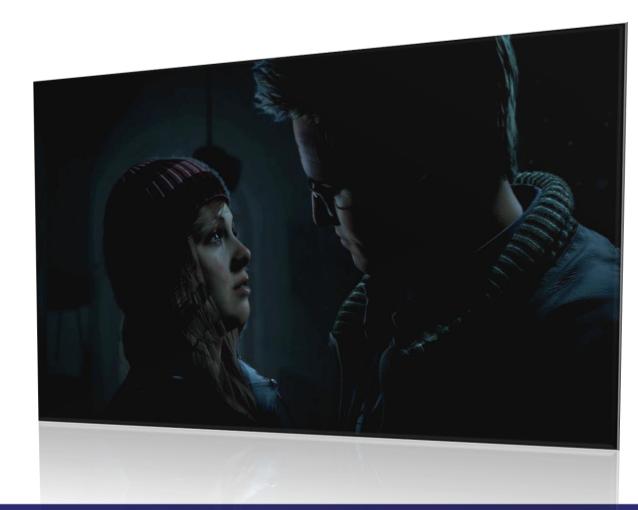


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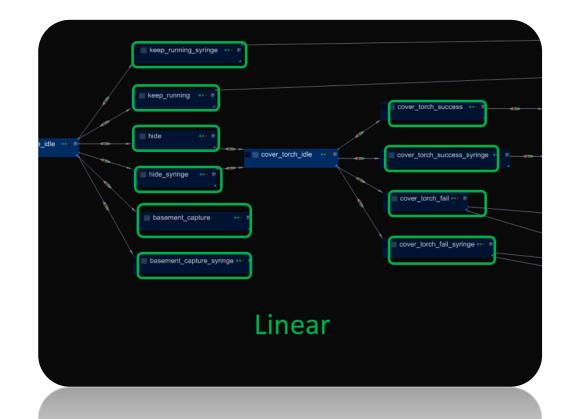
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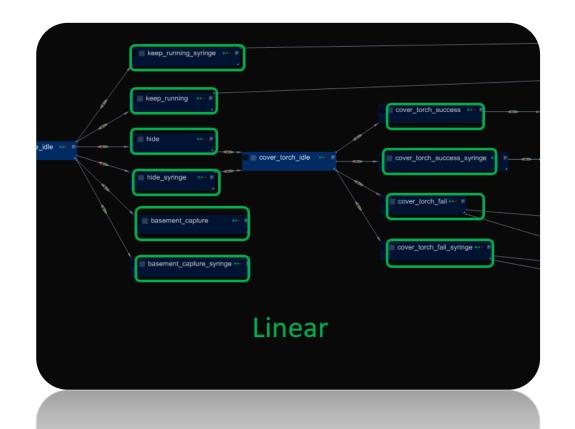
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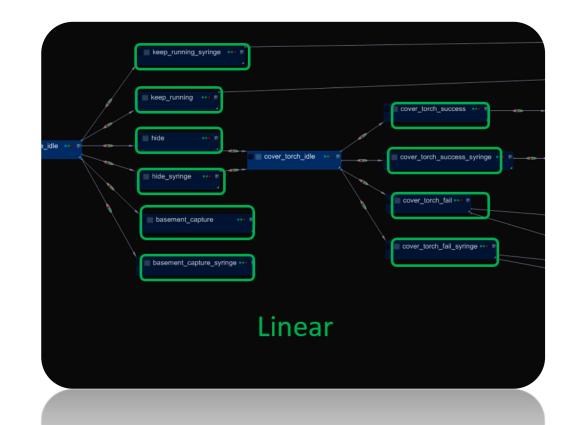


- Avoid:
 - Randomisation
 - Repetition
- NOT 'stems and states'

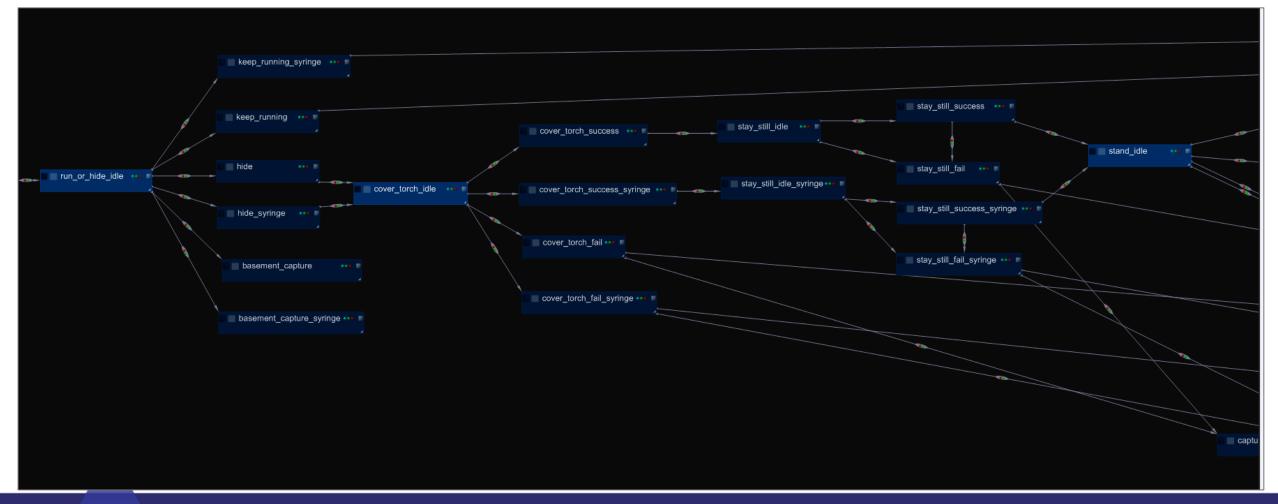




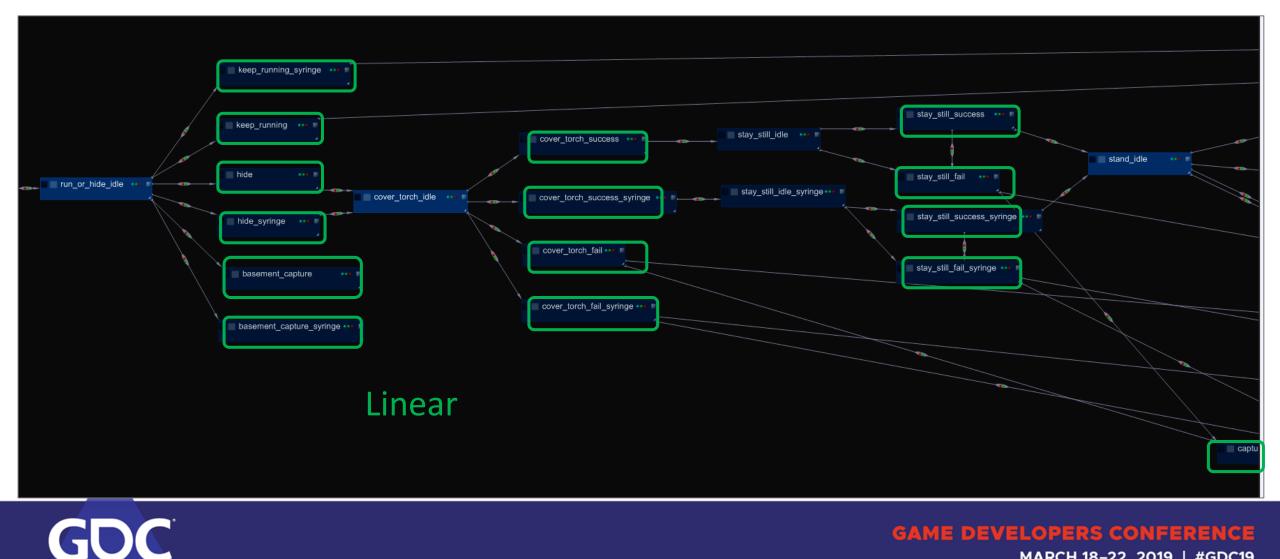
- Linear film editing
 - Complete musical control
 - Exact emotional nuance
 - Subtle thematic progressions arc

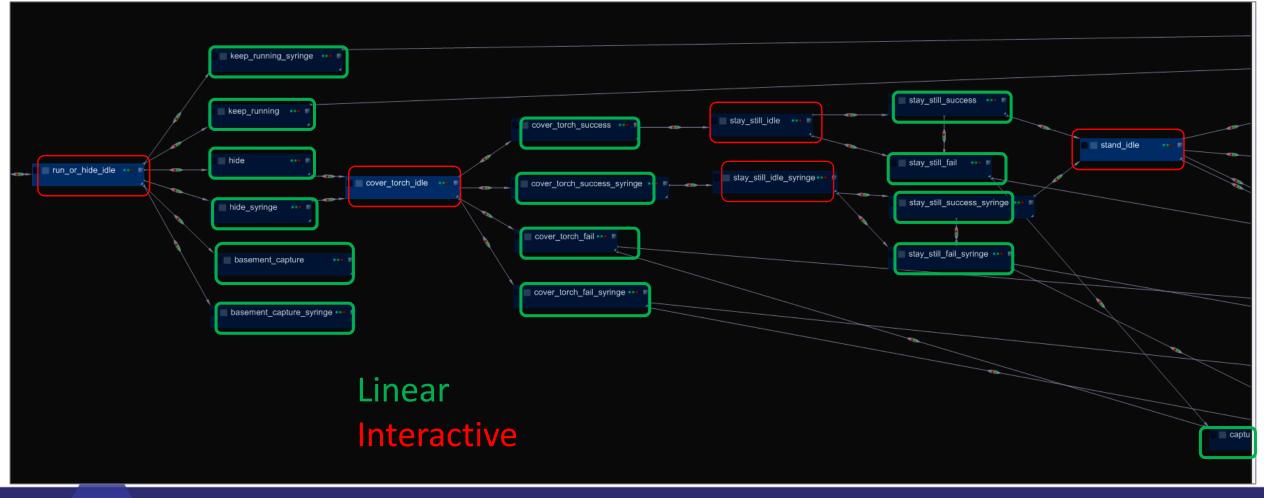




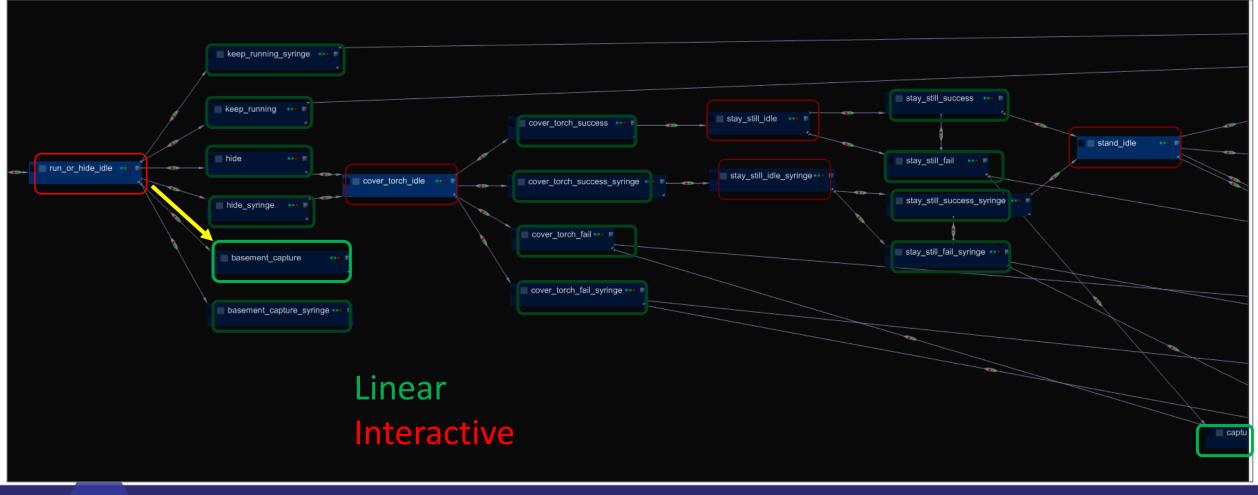


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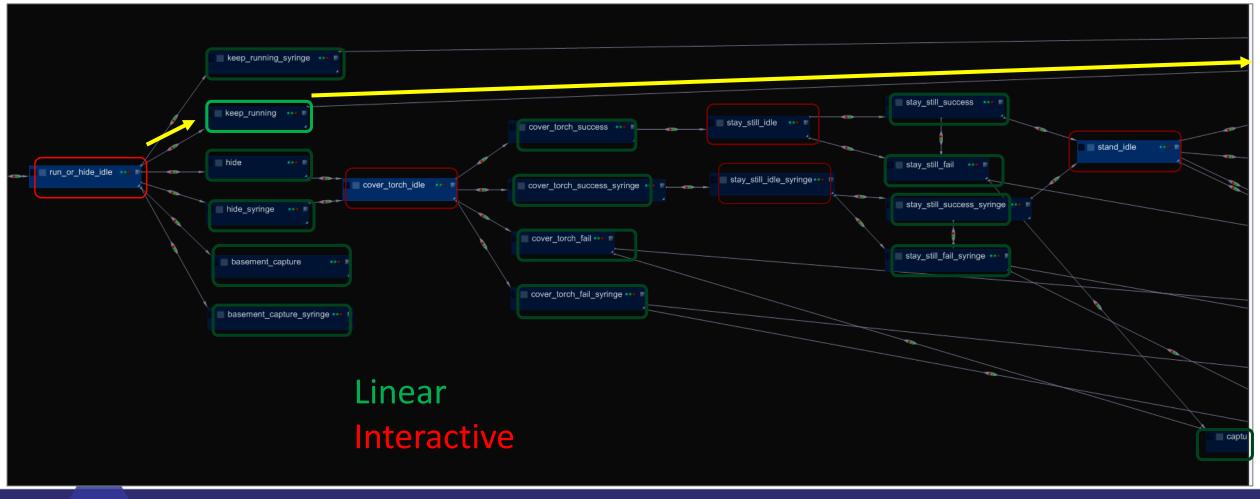




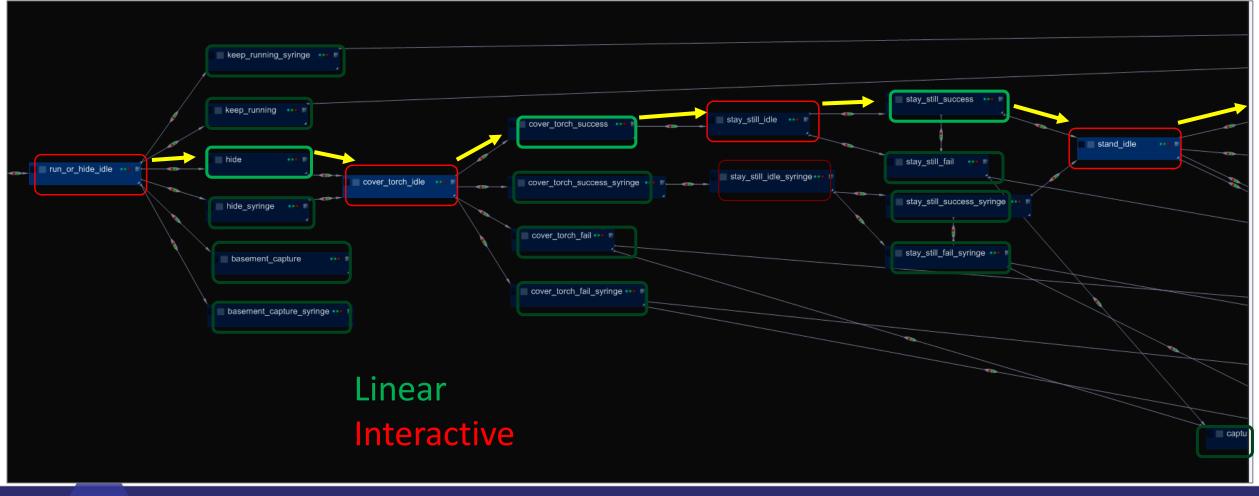
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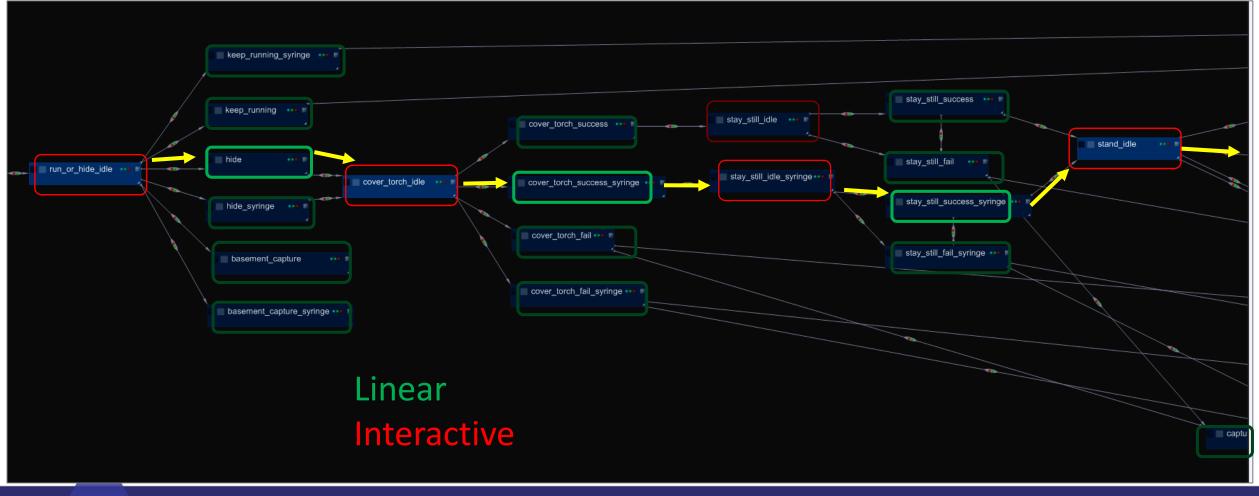




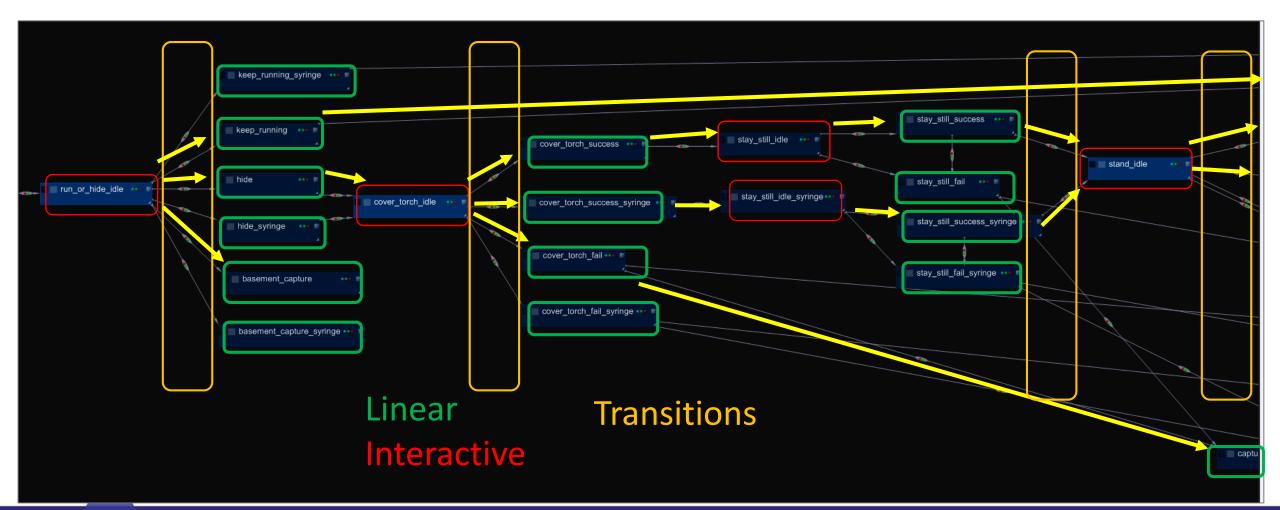








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- Transitions:
 - On the beat / bar
 - Custom cues
 - Transition segments



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- Transitions:
 - On the beat / bar
 - Custom cues
 - Transition segments
- Frame accurate music change:
 - Remove the rhythmical elements
 - Pre-empt the precise moment
 - Maintain immersion



GAME DEVELOPERS

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GAME DEVELOPERS

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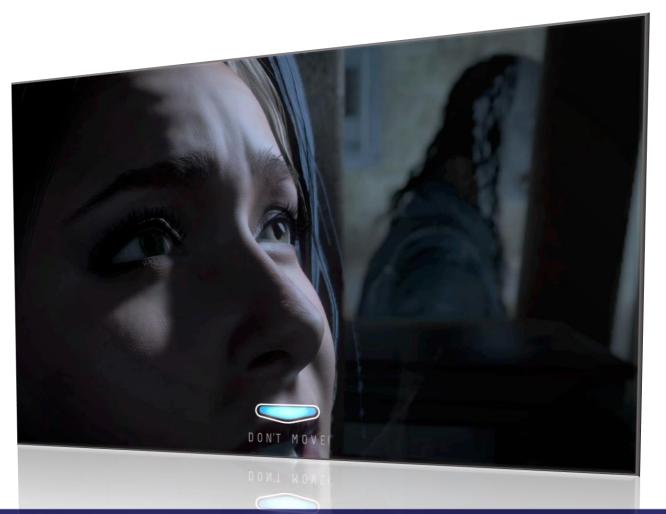
- Walk into your fear:
 - Riser to point RTPC
 - Alter non-diegetic music stem
 - By in game player character position



- Walk into your fear:
 - Riser to point RTPC
 - Alter non-diegetic music stem
 - By in game player character position



- Two clips
 - Alternate paths
 - One amazing towel







- V A R I E T Y
 - Avoid single emotional tone for too long
 - Avoid using same stings



- VARIETY
 - Avoid single emotional tone for too long
 - Avoid using same stings
- Avoid repetition
 - Players soon learn a pattern



- VARIETY
 - Avoid single emotional tone for too long
 - Avoid using same stings
- Avoid repetition
 - Players soon learn a pattern
- Play with player's expectations
 - Create confusion



- Riser to sting
- Riser to nothing
- Just a Sting

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• More examples



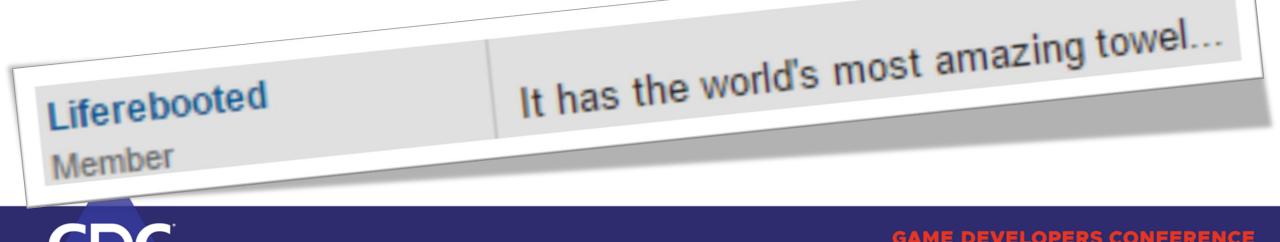




- Detailed character sound -> improves intimacy
- Attenuations -> helps voyeurism and intimacy
- Emotional nuance -> improves engagement
- Subvert player expectations



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- Emotional nuance -> improved engagement
- Subvert player expectations
- Create an engaging experience



Thank you

Any questions

Please fill out the GDC eval forms

www.supermassivegames.com

Links:

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www.linkedin.com/in/barneypratt/

