

Bye Bye Privacy - Sonic Interactions in Mixed Reality

Mark Durham
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"When humans and other animals perceive the world, they do so actively. Perception is essentially exploratory, seeking out sources of stimulation in order to discover more about the environment. This operates in so many ways and so continuously that it is easy to overlook: we detect a sound and turn to it; we catch sight of an object, turn our eyes to it, lean forward and reach out and touch it."

Eric F. Clarke Ways of Listening - An Ecological Approach to the Perception of Musical Meaning (2005)

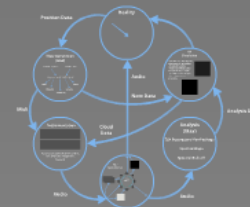
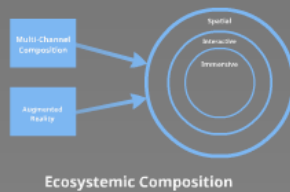


"Actions lead to, enhance and direct perception, and are in turn the result of, and response to, perception. Resonance (between organism and its environment) is not passive: it is the perceiving organism's active, exploratory engagement with its environment"

Eric F. Clarke Ways of Listening - An Ecological Approach to the Perception of Musical Meaning (2005)



Bye Bye Privacy



Thankyou!

Presentation: <https://prezi.com/j9mwet2kxiei/bye-bye-privacy/>

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3D Face Reconstruction from a Single Image:
<http://cvl-demos.cs.nott.ac.uk/vm/>

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You Tube

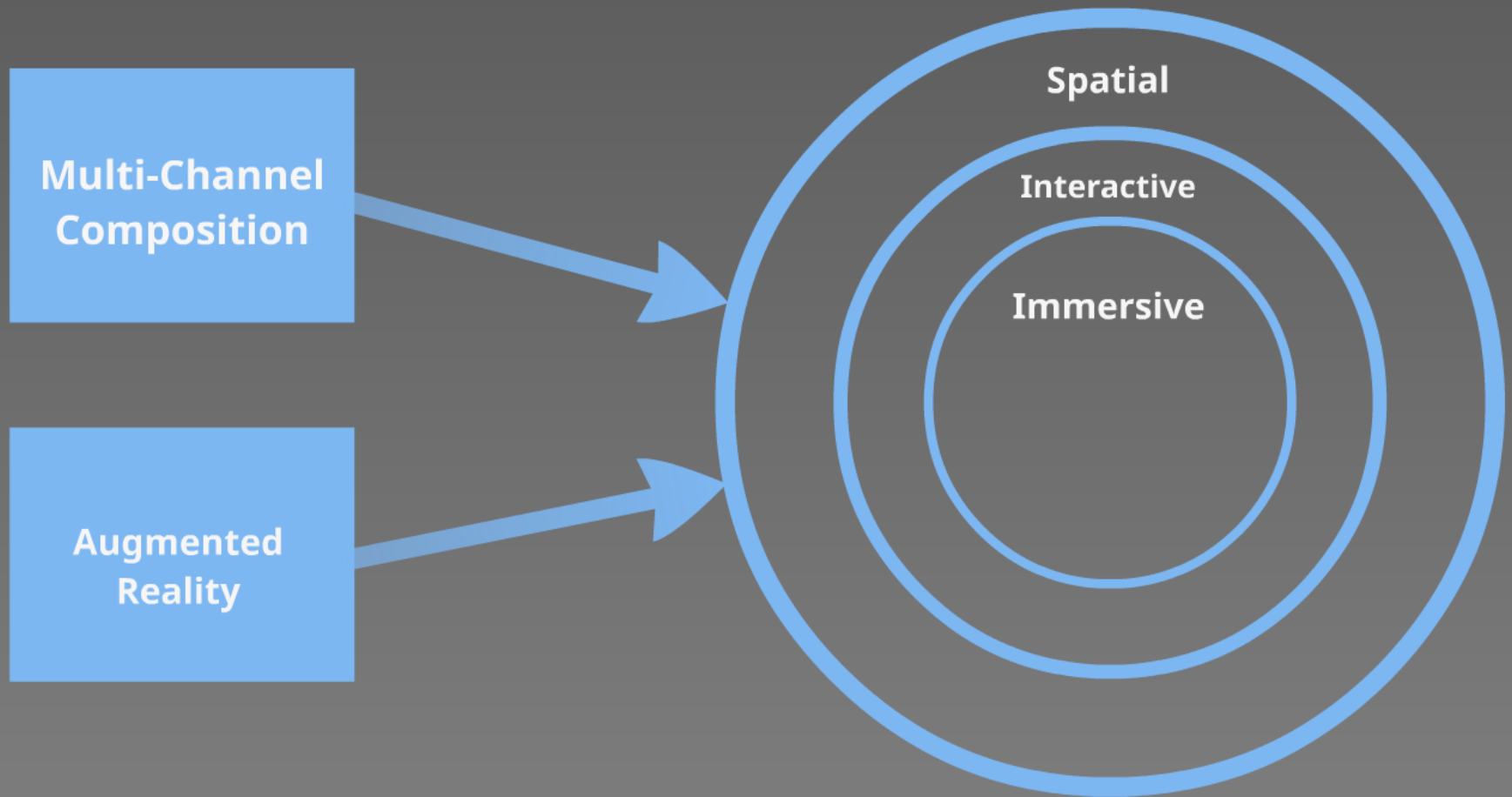


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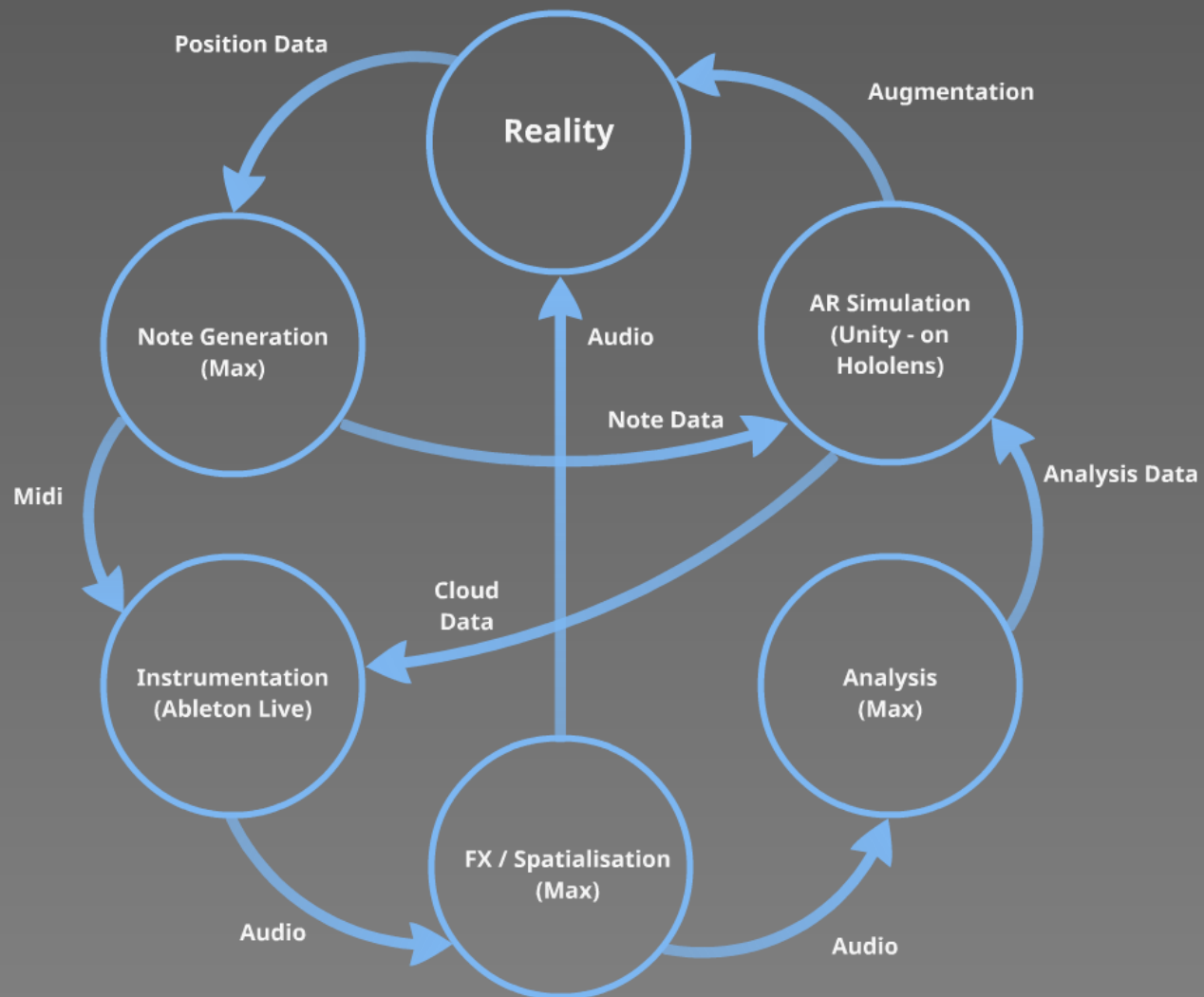
Ecosystemic Composition

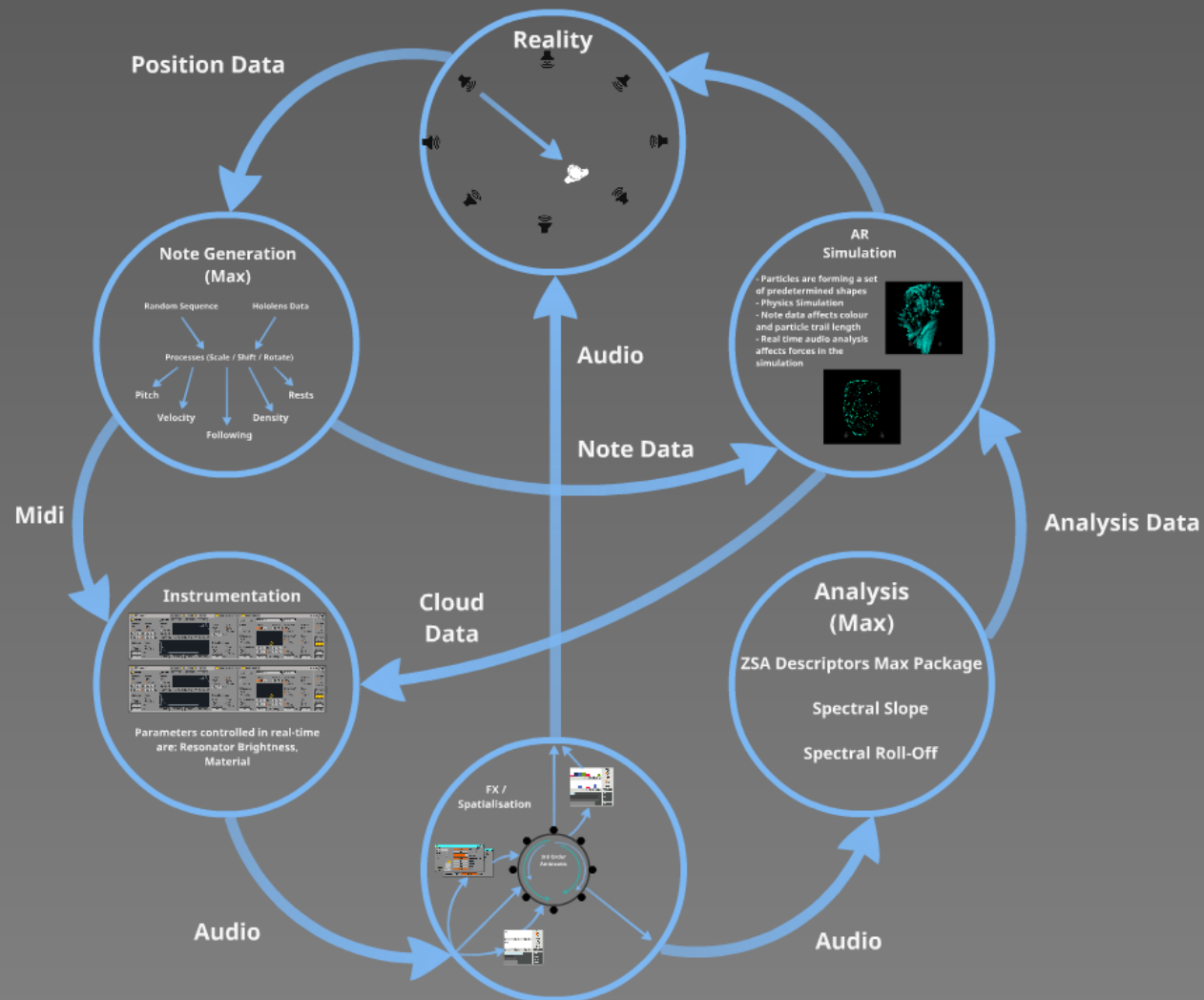


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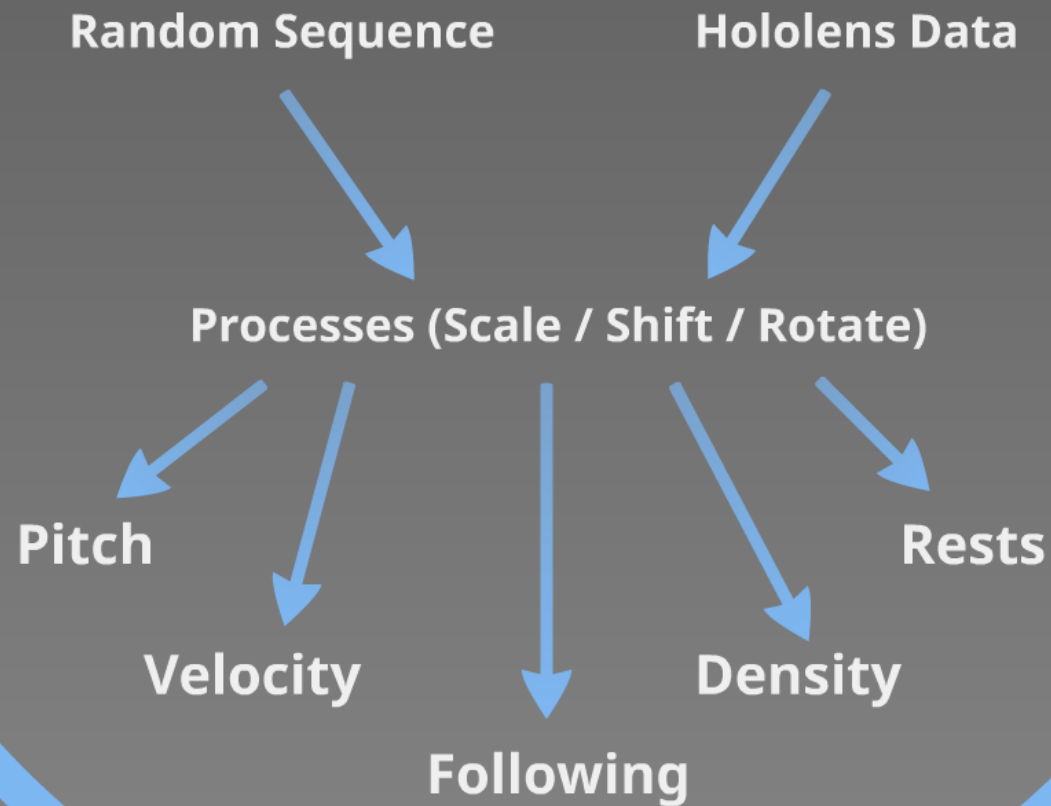


You Tube





Note Generation (Max)



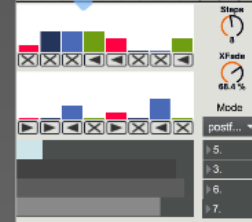
Instrumentation



Parameters controlled in real-time
are: Resonator Brightness,
Material

FX / Spatialisation

3rd Order
Ambisonic



Analysis (Max)

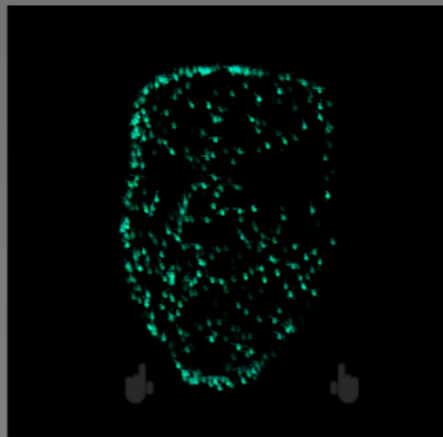
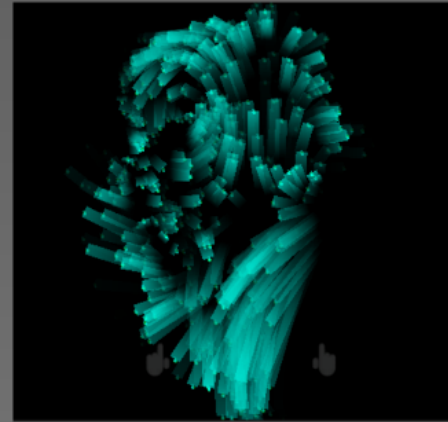
ZSA Descriptors Max Package

Spectral Slope

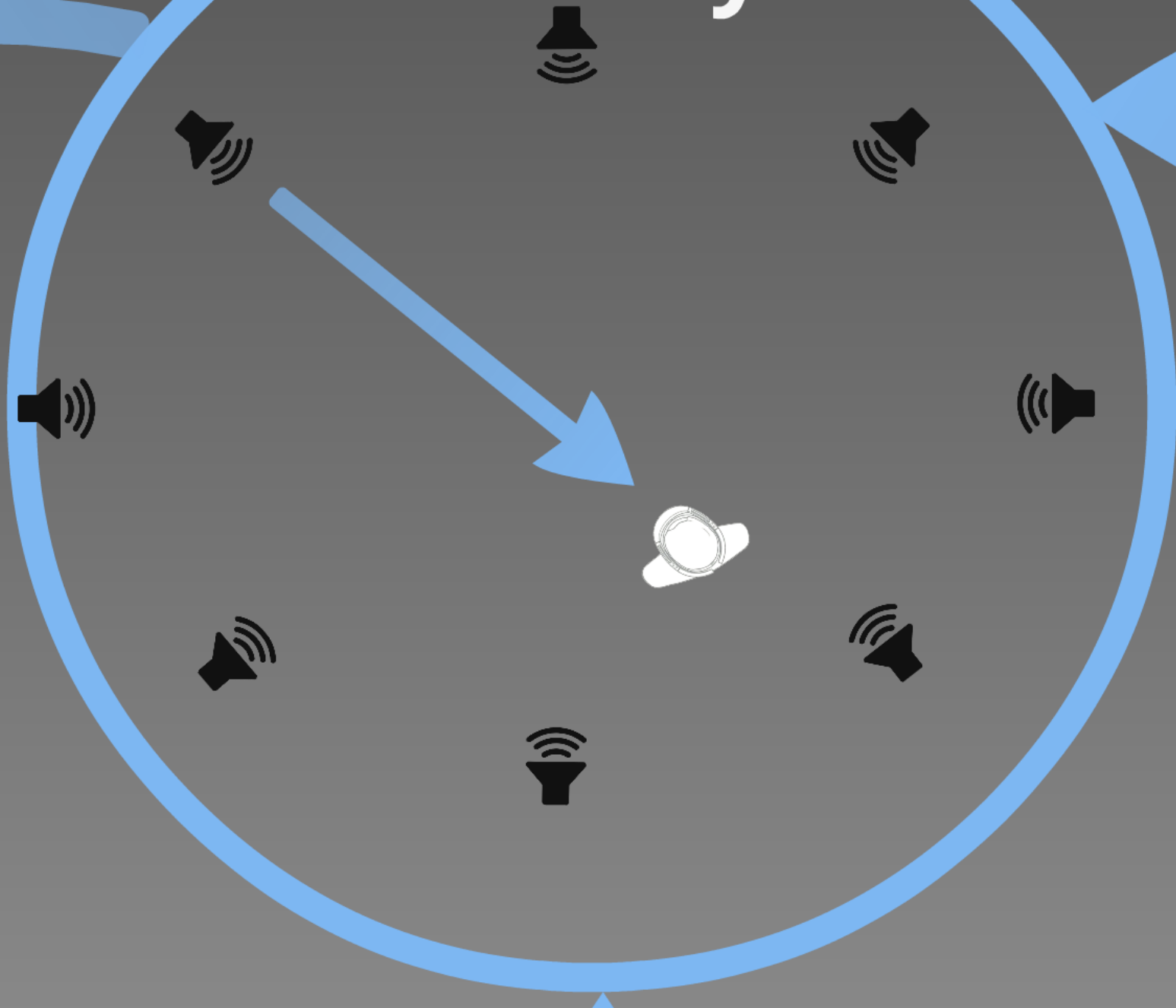
Spectral Roll-Off

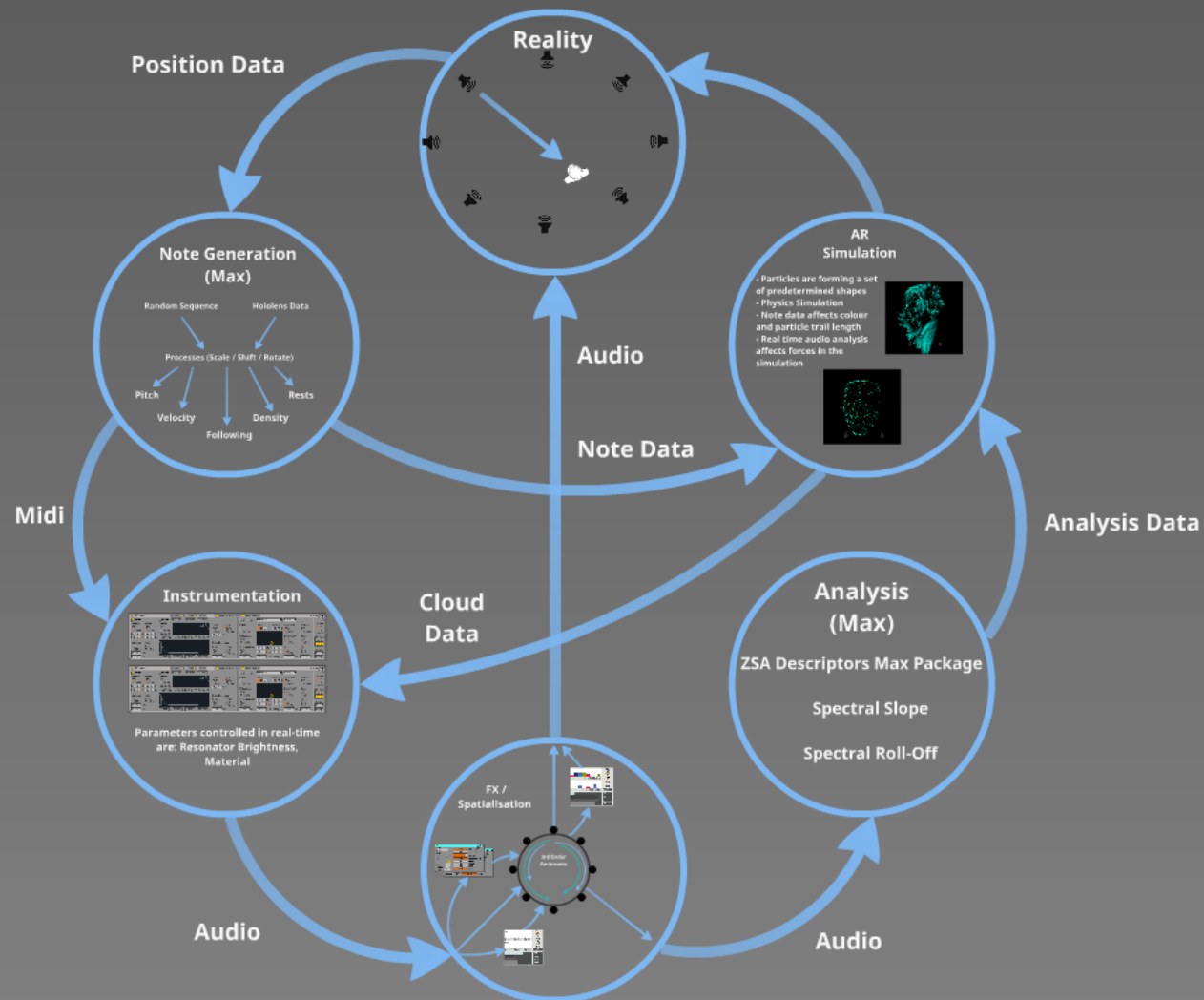
AR Simulation

- Particles are forming a set of predetermined shapes
- Physics Simulation
- Note data affects colour and particle trail length
- Real time audio analysis affects forces in the simulation



Reality





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