

Generative VR: One Scene

one scene

non-human narrative
non-human goal
non-human interaction

to indulge in

Concepts

To create a **non-human subjectivity** through the assemblage of semantics [human] and syntactic [machine] components.

Human curates material and interprets meaning.

Machine generates and learns to manipulate human.

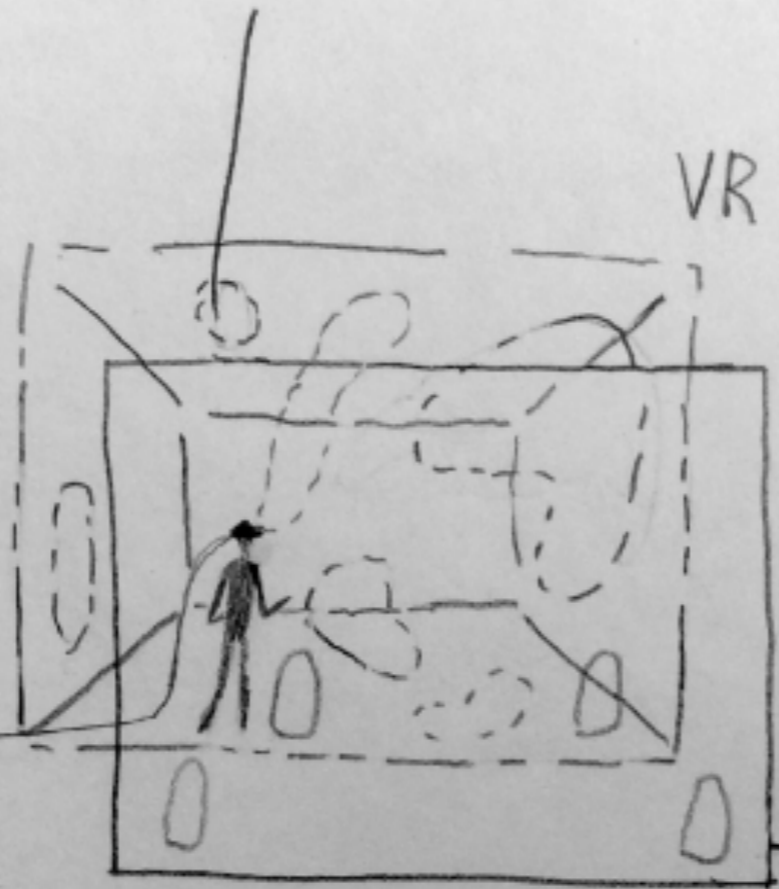


n number of eigenvectors for creating a scene

VR audiovisual environment

= n -th dimensional "scene"

User



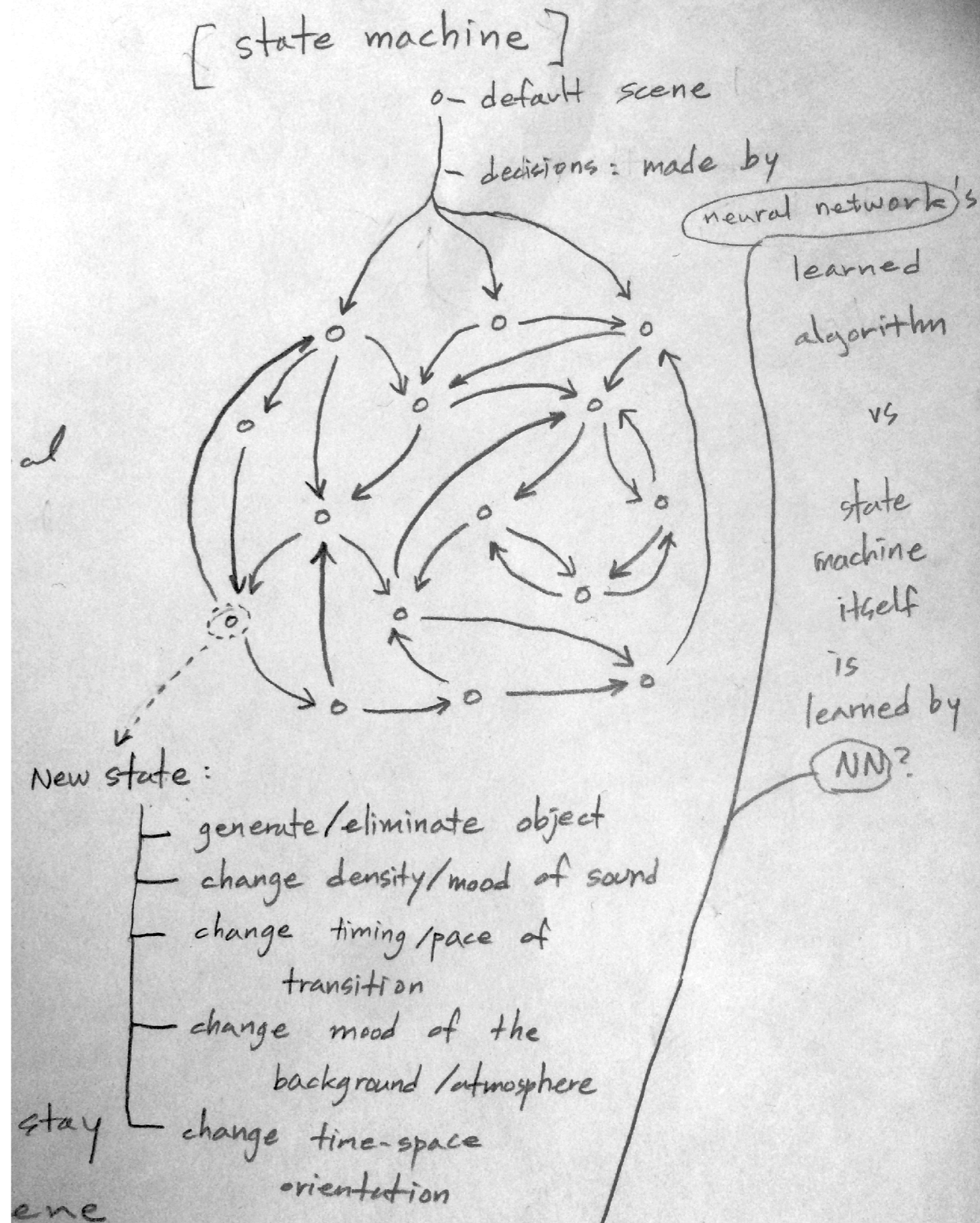
"real" space

- head direction (3d coordinates)
- head movement (acceleration)
- questionnaire (for training only)

New

Neural network system as a submissive-responsive controller of a scene.

- A scene:
default state
→ a new state
- “Branching” based on user gaze, head movement
- Somewhat similar to recommendation systems



Visual References



2001-space-odyssey-bedroom

Brenna Murphy



<https://vimeo.com/197999313>

Implementation

Inputs

- head direction
- head movement (acceleration)
- verbal cues, questionnaire
(only for training)
- time spent in the scene



Output: a new state

- generate/eliminate object
- change density/mood of sound
- change timing/pace of transition
- change mood of the background
- change time-space orientation

Dataset

training dataset - we need to generate one ...?

Modules

1. Human Behavior Learning Module

- Input: viewer's action/behavior
- Output: new state

2. Generative module

- Visual synthesis
- Sound synthesis



Either using ML technique
or rule-based (procedural)
creation

Platform

Unity + C#

Model/Techniques

Unsupervised learning

Reinforcement learning (Deep Q learning)?

End Goal

Complete Self-Alienation!