

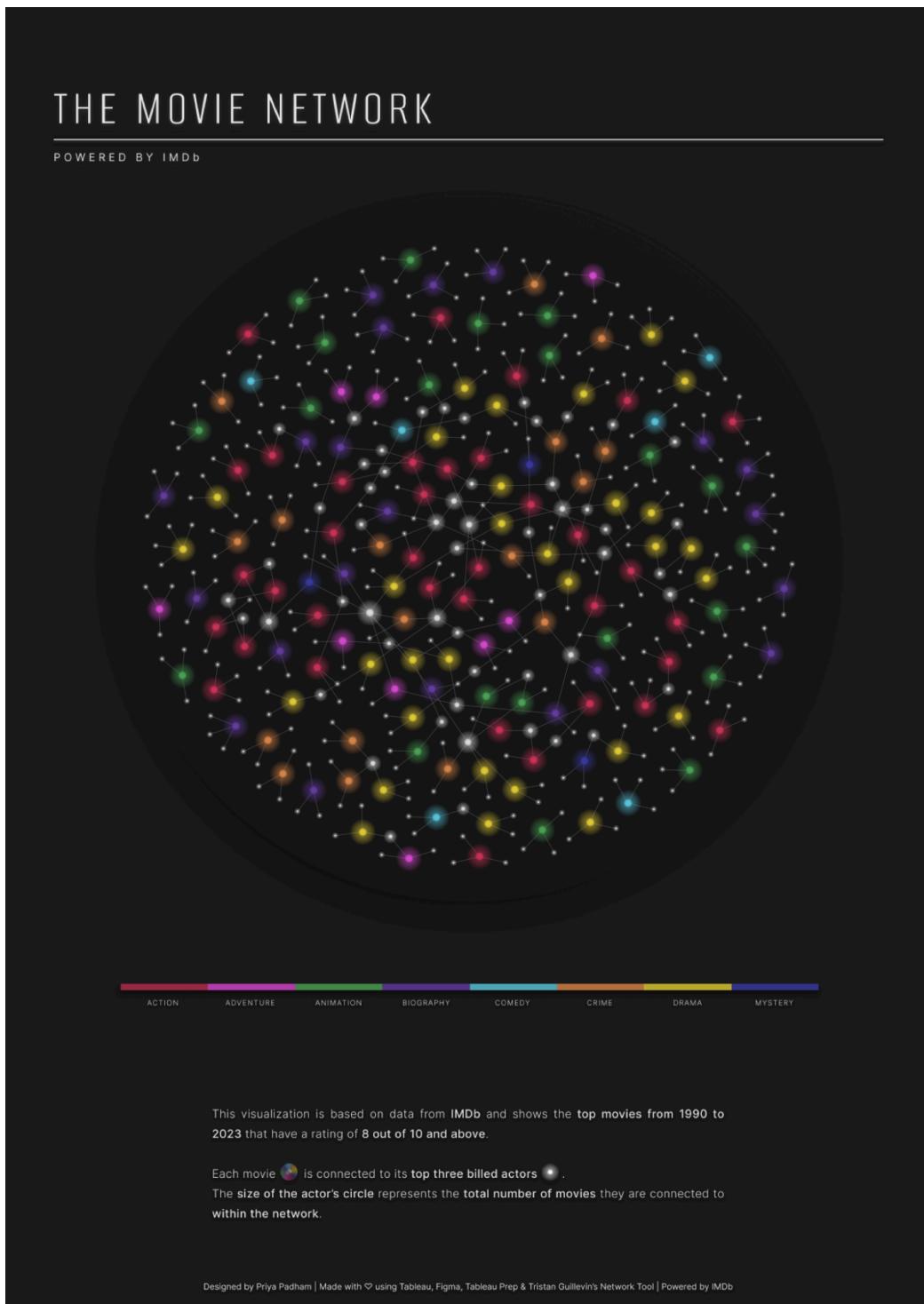
Generative Research and Development Document

DATT 3400

Jai Panesar

Weeks 1&2:

Movie Data Visualization:

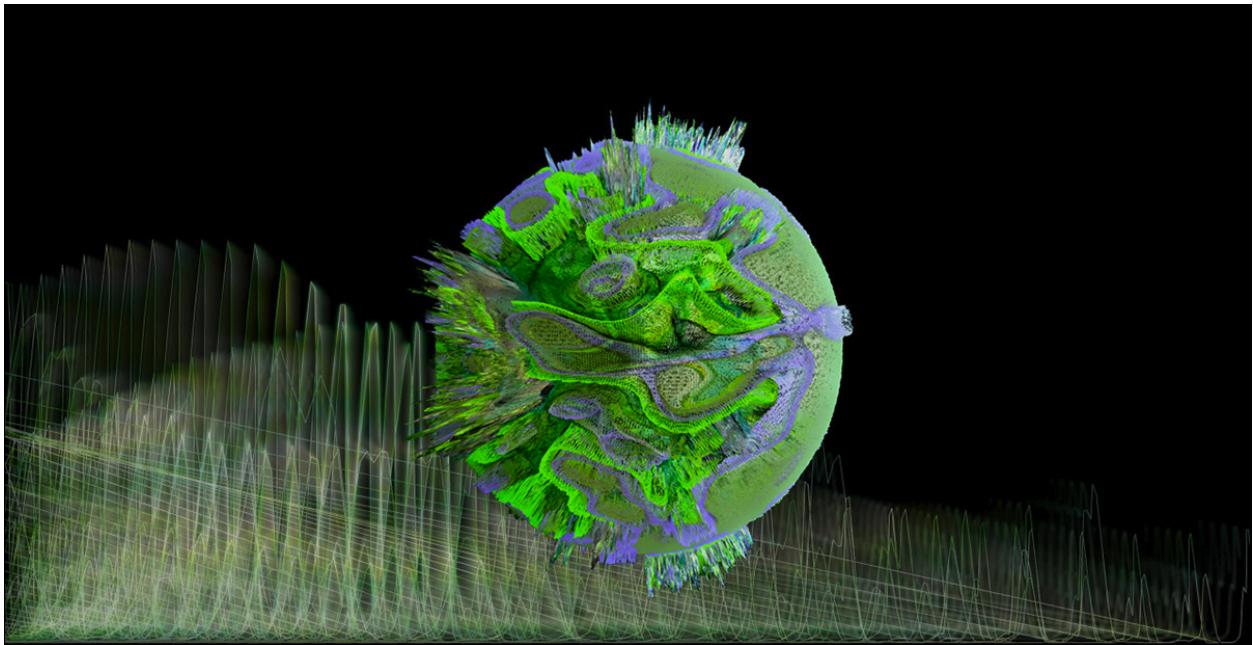


Link: <https://www.salesforce.com/uk/news/stories/imdb-tableau-movie-visualizations/>

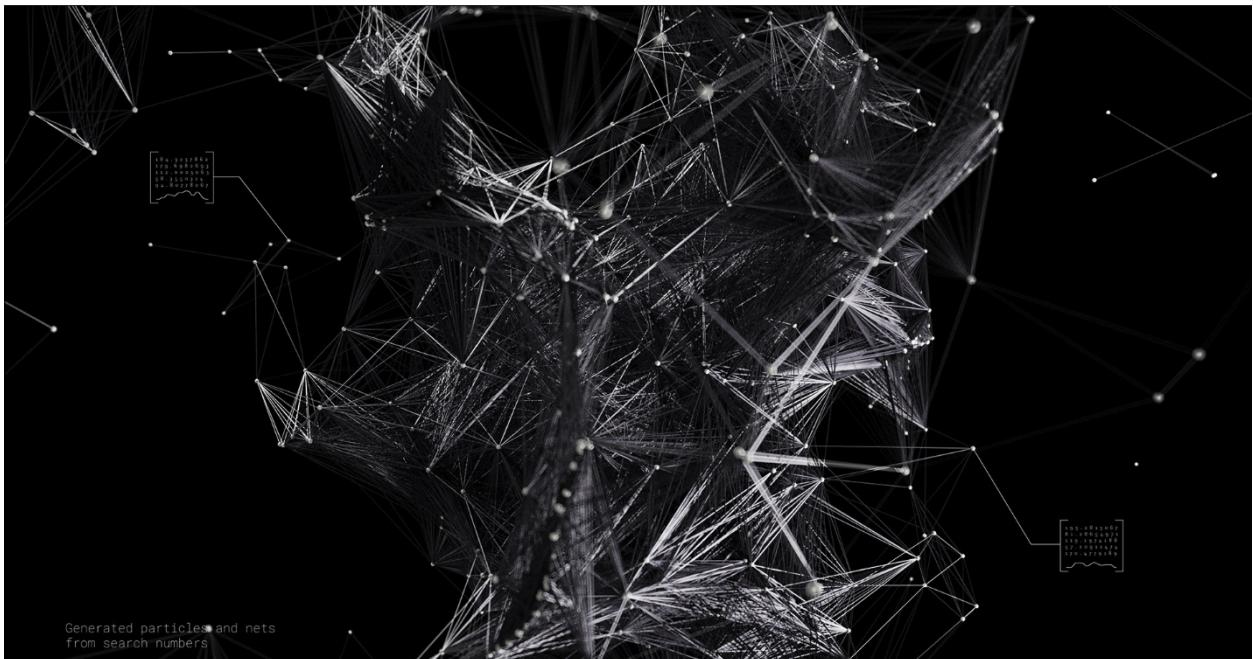
New Tool: <https://openprocessing.org/>

Week 3

Heatbeat Topography



Google Search Data Visualization



Project Links: <https://www.behance.net/search/projects/touchdesigner>

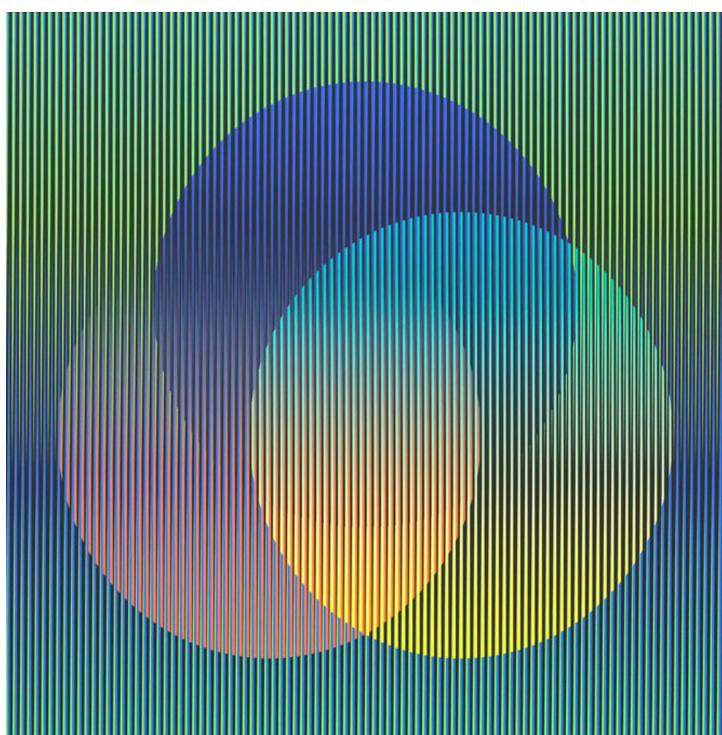
New Tool: <https://unity.com/>

Week 4

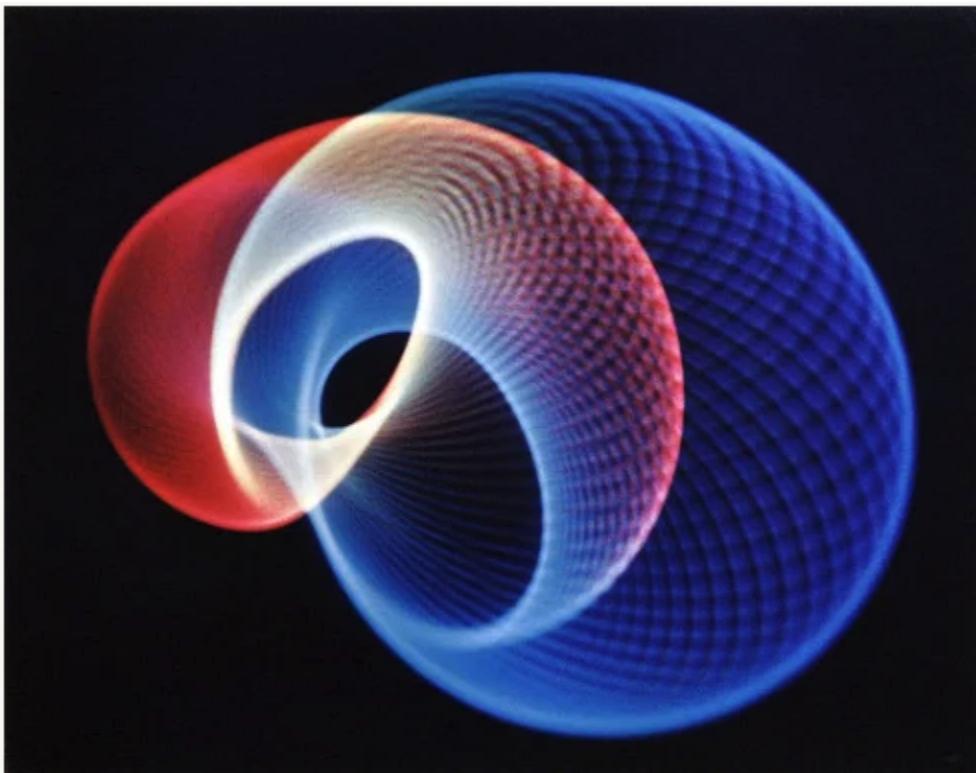
Vera Molnár



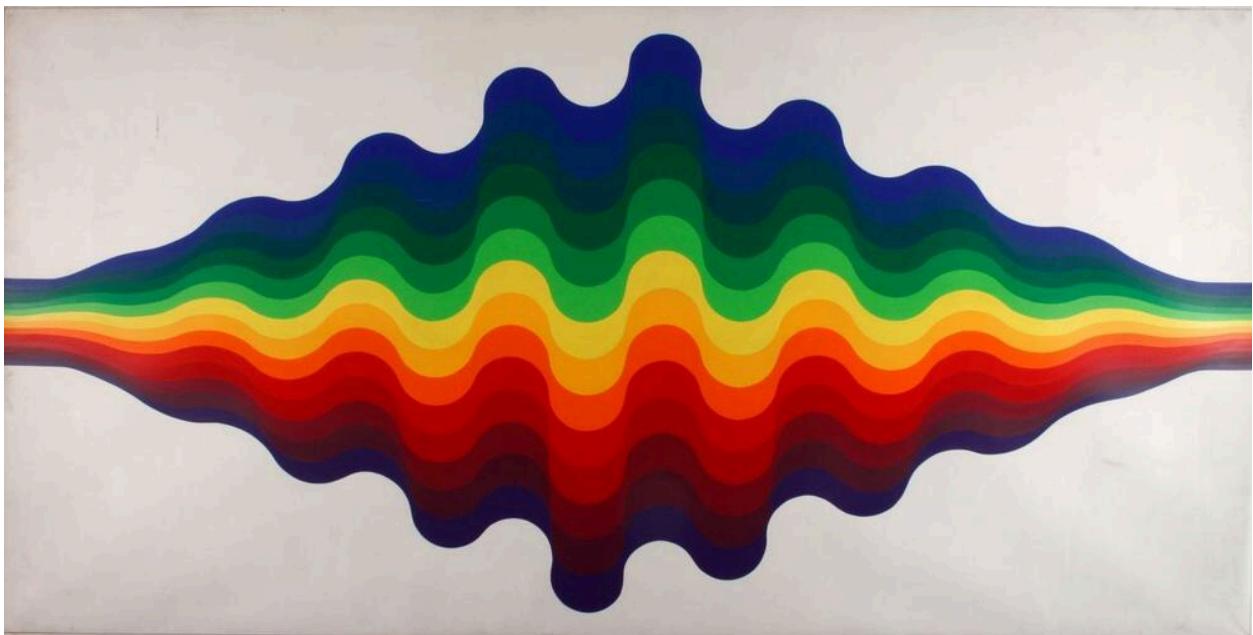
Carlos Cruz-Diez



Ben Lapowsky



Julio Le Parc



TouchDesigner Tutorials:

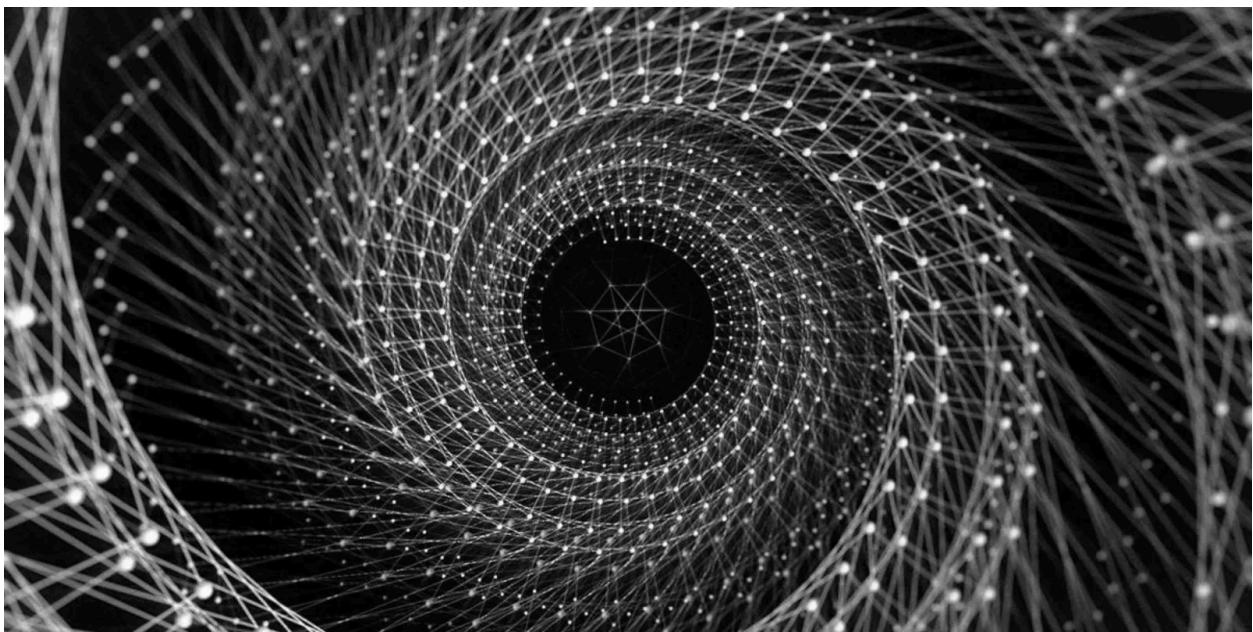
- Bright Lights: <https://www.youtube.com/watch?v=feVTWJCPWes>
- Stars: https://www.youtube.com/watch?v=WCPv27M_LLE

Week 5

Celestial Dome



MIRA Festival

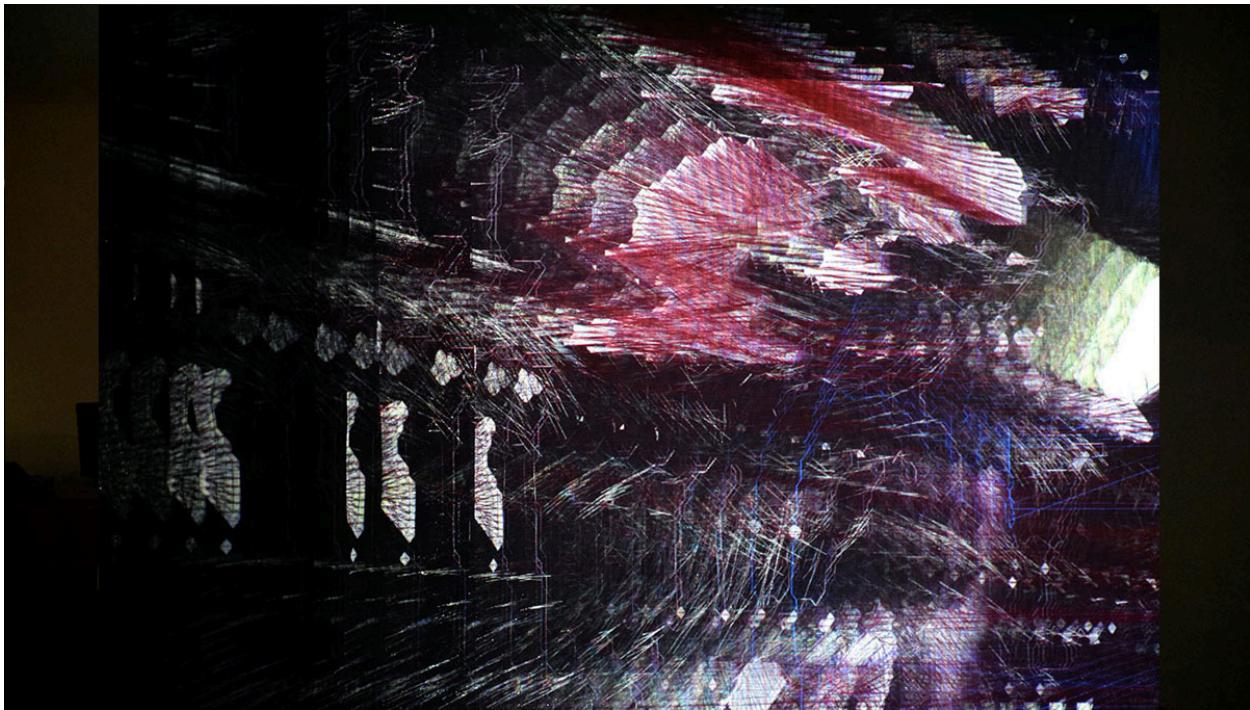


TouchDesigner Tutorials:

- Smoke Effect: https://www.youtube.com/watch?v=RDAp0t_JAA4
- Reactive Particles: <https://www.youtube.com/watch?v=haeEIPgieLQ>

Week 6 & Reading Week

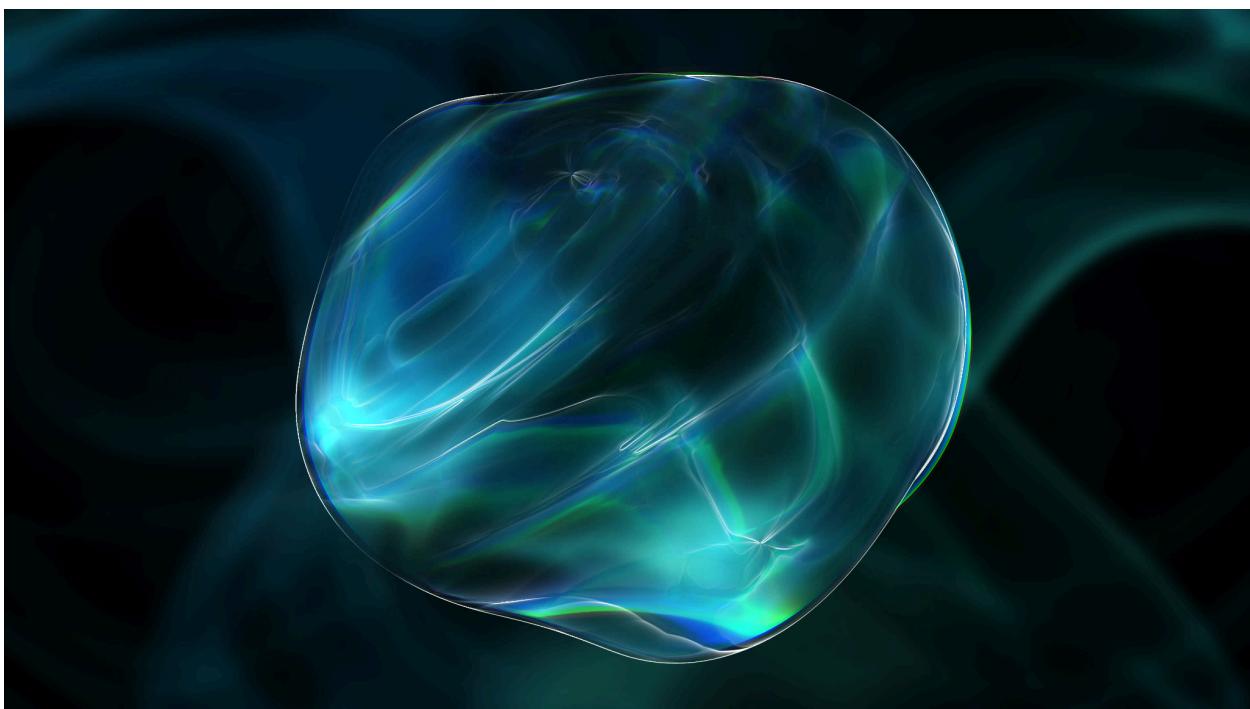
Refactor: An Autonomous Generative Painting Factory

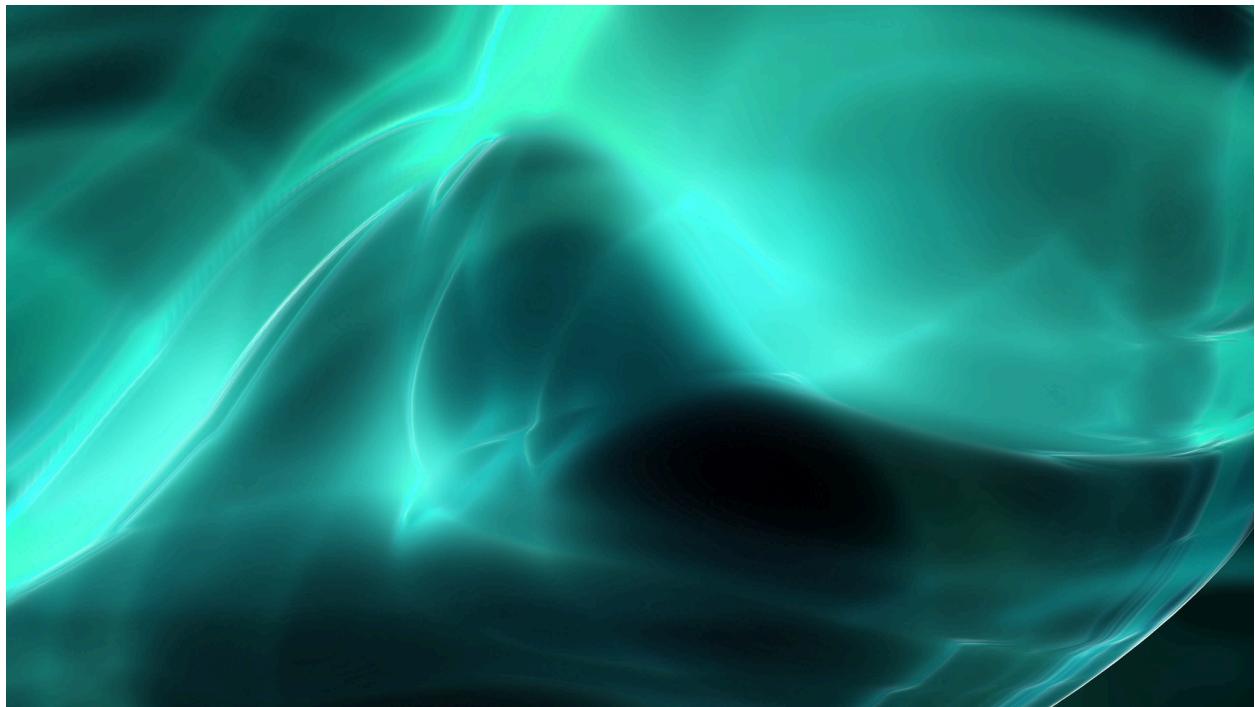
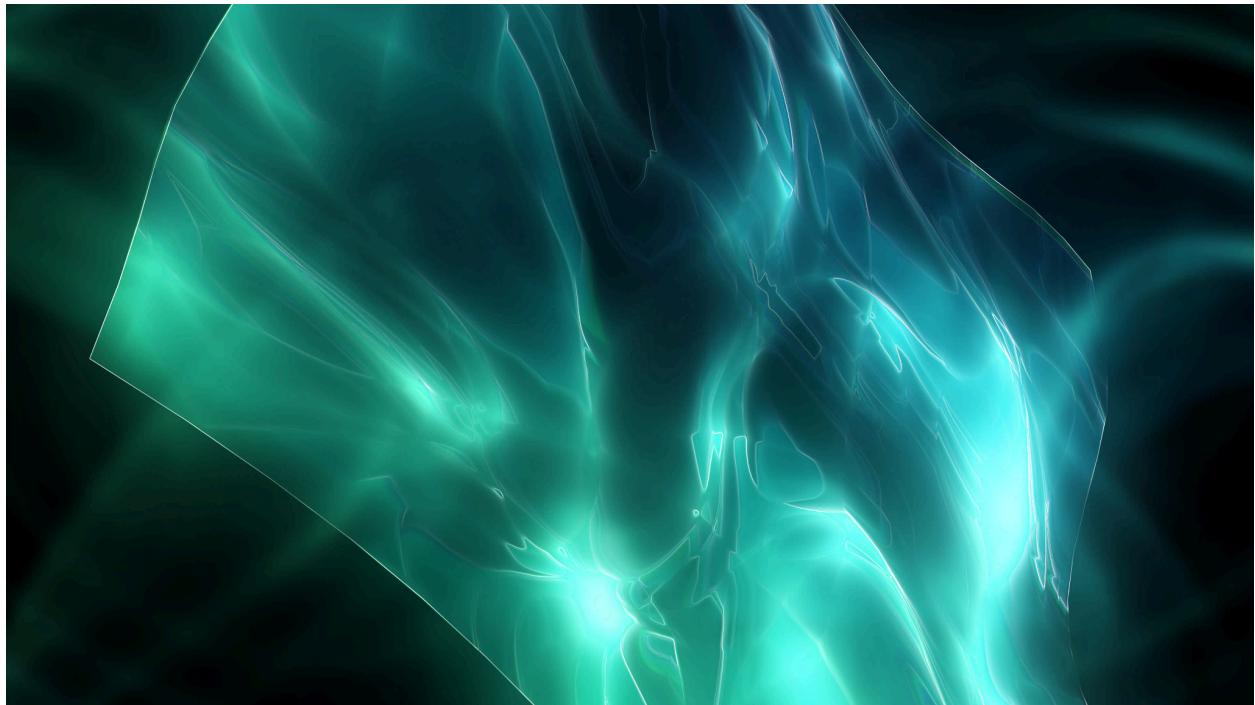


Link:

<https://derivative.ca/community-post/refactor-autonomous-generative-painting-factory-mapping-artist/60676>

Ethereal Echo





Link: <https://derivative.ca/community-post/ethereal-echo/69789>

TouchDesigner Tutorials:

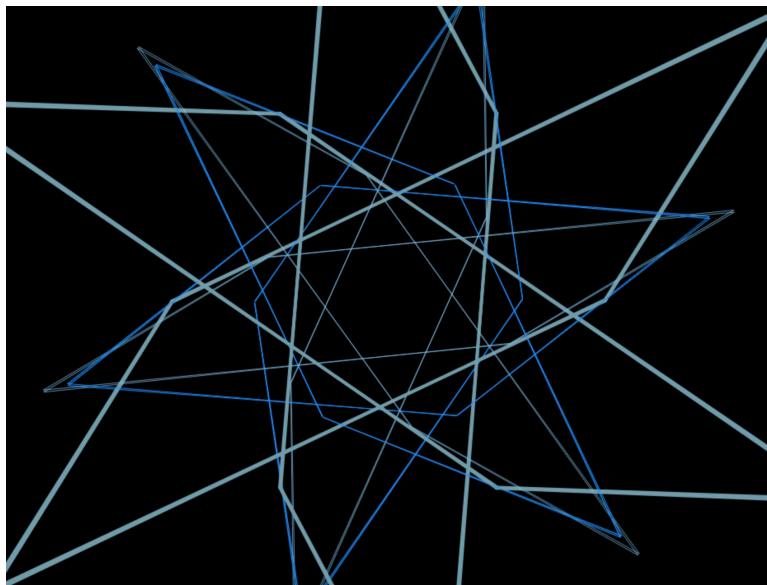
Style Line Art:

<https://medium.com/partical.grt/dullscythe-style-line-art-inspired-from-porter-robinson-tutorial-in-touchdesigner-2c399624a586>

Hand Tracking (with MediaPipe): <https://www.youtube.com/watch?v=NwqLnNyfOb4>

Week 8

Sound Visualization Using p5.js



Link:

<https://medium.com/towards-data-science/bringing-songs-to-life-through-music-visualization-8beee9573b7b>



Link:

<https://medium.com/@adityakrshnn/adding-audio-visualizers-to-your-website-in-5-minutes-23985d2b1245>

Audio Visualization Tutorials (p5.js):

- <https://www.youtube.com/watch?v=uk96O7N1Yo0>
- <https://www.youtube.com/watch?v=p8nCYCfxOhw>

Project: <https://editor.p5js.org/jonfroehlich/sketches/d2euV09i>