

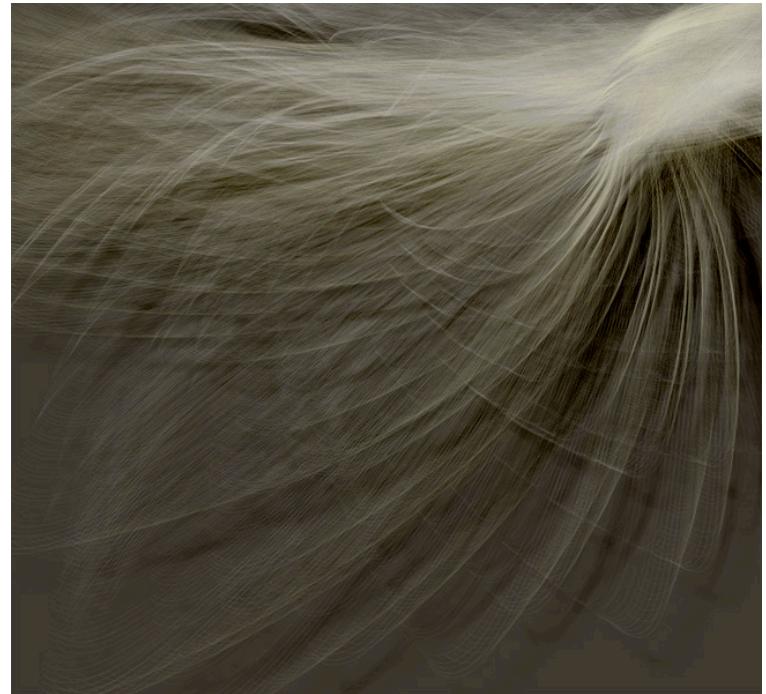
Computational Art Project Kickoff!

Software Design

A Vast Field



versus



Realistic

[http://www.wired.com/design/
2013/03/luxion-keyshot](http://www.wired.com/design/2013/03/luxion-keyshot)

Abstract

<http://organisms.be/nebula.html>

A Vast Field

Can be purely art for art's sake or potentially serve to make visual vast amounts of information

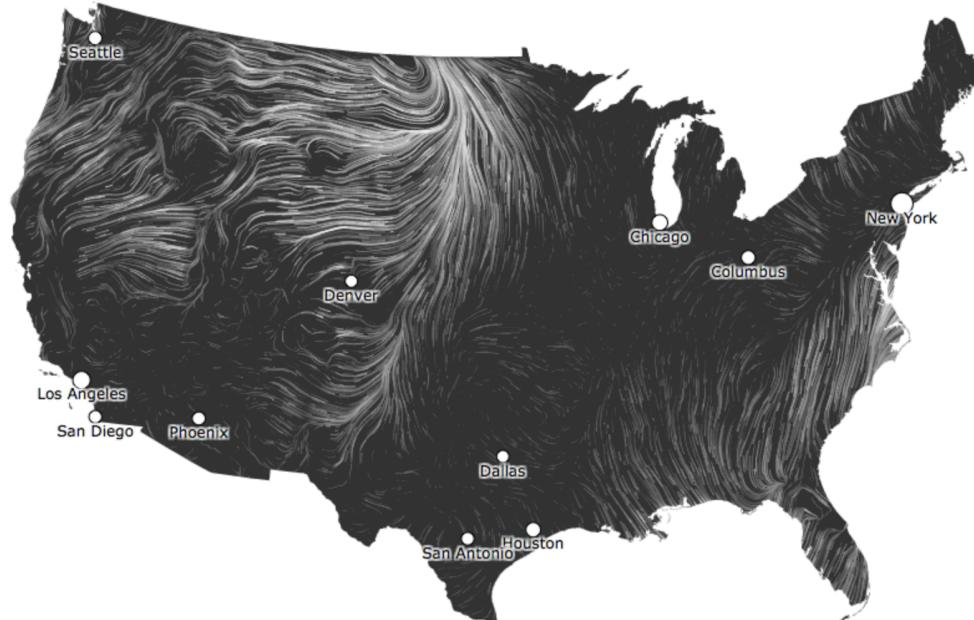
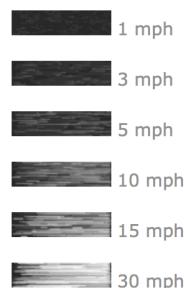
wind map

February 12, 2014

9:56 pm EST

(time of forecast download)

top speed: 39.2 mph
average: 10.3 mph



<http://hint.fm/wind/>

A Vast Field

Can combine aspects of the two

U.S. GUN DEATHS IN

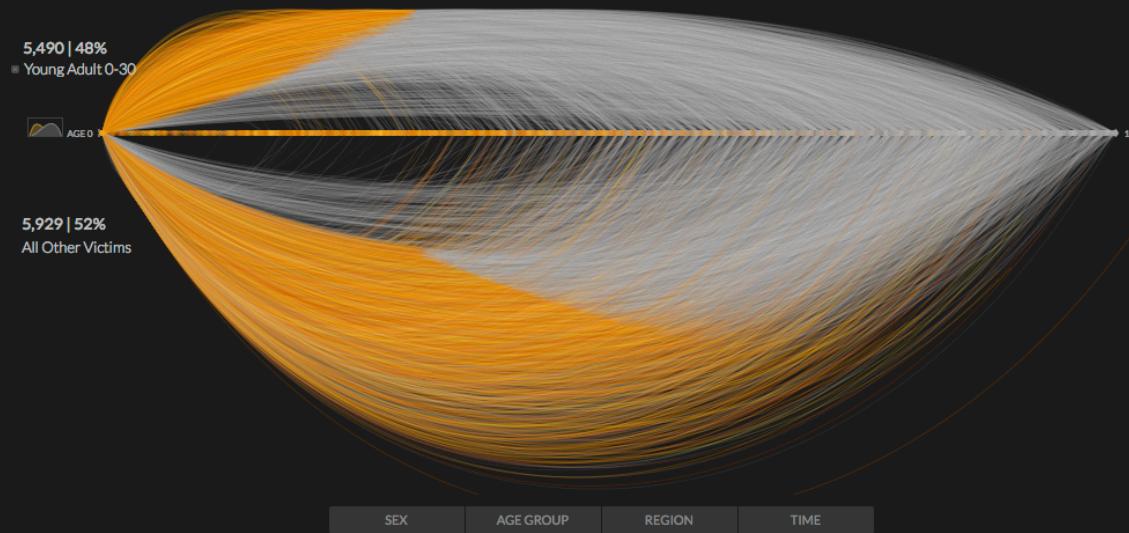
2013 2010

11,419

PEOPLE KILLED

502,025

STOLEN YEARS 



A Vast Field

Can Involve Music

“The Triumph of the Cyborg Composer”

<http://www.psmag.com/mustread/triumph-of-the-cyborg-composer-8507/>

Excerpts from Light and Darkness
By Emily Howell

Very early example: http://en.wikipedia.org/wiki/Musikalisches_W%C3%BCrfspiel

You will have the opportunity to build one of these yourself!

A Vast Field

Can even be a live musical performance...

<http://yaxu.org/>

[http://www.youtube.com/watch?
v=wWpPkcp1tOs#t=672](http://www.youtube.com/watch?v=wWpPkcp1tOs#t=672)

A Vast Field

Can Involve Multimedia



<https://www.youtube.com/watch?v=IxDoO9oODO>

<https://www.youtube.com/watch?v=t7EQUhdjRook>

V3? <https://www.youtube.com/watch?v=-X70Qi9n0vk>

Wait... Is it... Real??

[https://www.youtube.com/watch?
v=JLdB0WEixjM](https://www.youtube.com/watch?v=JLdB0WEixjM)

Because we just can't resist...

[https://www.youtube.com/watch?
v=xP4sYKR4NUc](https://www.youtube.com/watch?v=xP4sYKR4NUc)

Example: Valence



<http://organisms.be/valence.html>

Example: Dance Controlled Kinect



<http://www.youtube.com/watch?v=qXnLxi2nzrY>

Example: Cheese Project



Generative Art

Generative art refers to art that in whole or in part has been created with the use of an autonomous system. An autonomous system in this context is generally one that is non-human and can independently determine features of an artwork that would otherwise require decisions made directly by the artist. In some cases the human creator may claim that the generative system represents their own artistic idea, and in others that the system takes on the role of the creator.

Generative Art: Nebula

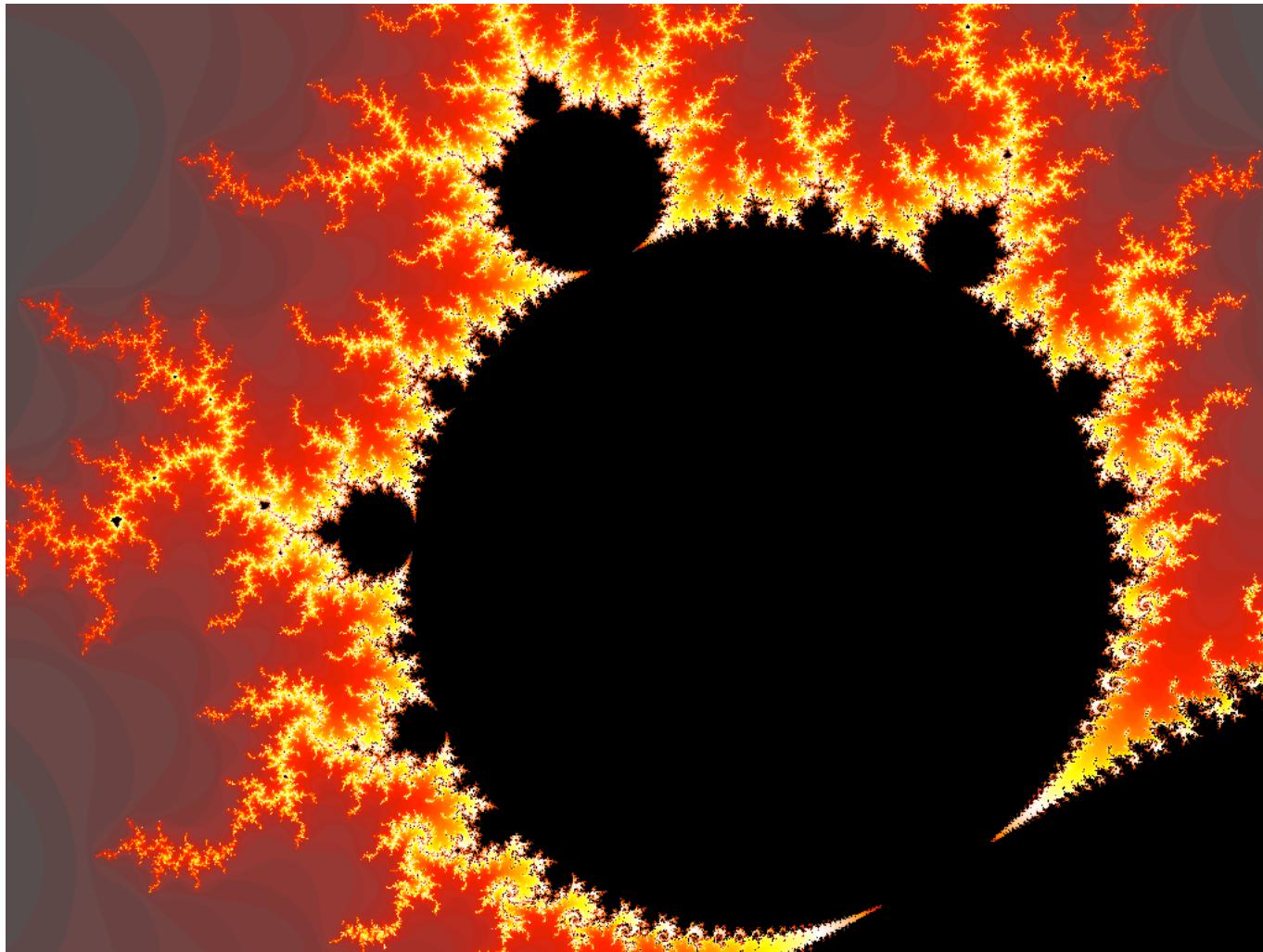


<http://organisms.be/nebula.html>

Generative Art: Fractals



Generative Art: Fractals



Generative Art: Fractals



Many, Many More Examples of Generative Art

<http://fyprocessing.tumblr.com/>

Assignment Kickoff!!!