Artists Lab

IV

Sevgin Basari
SoSe 2020

19/05/20

Artificial Intelligence
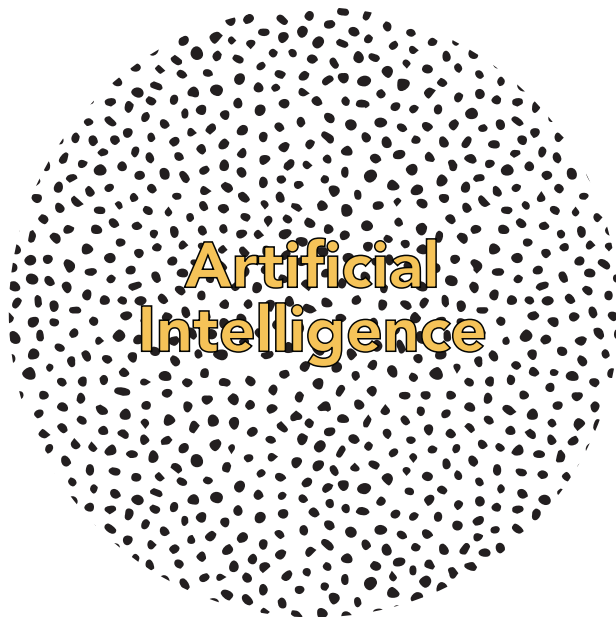
AttnGAN
by Microsoft

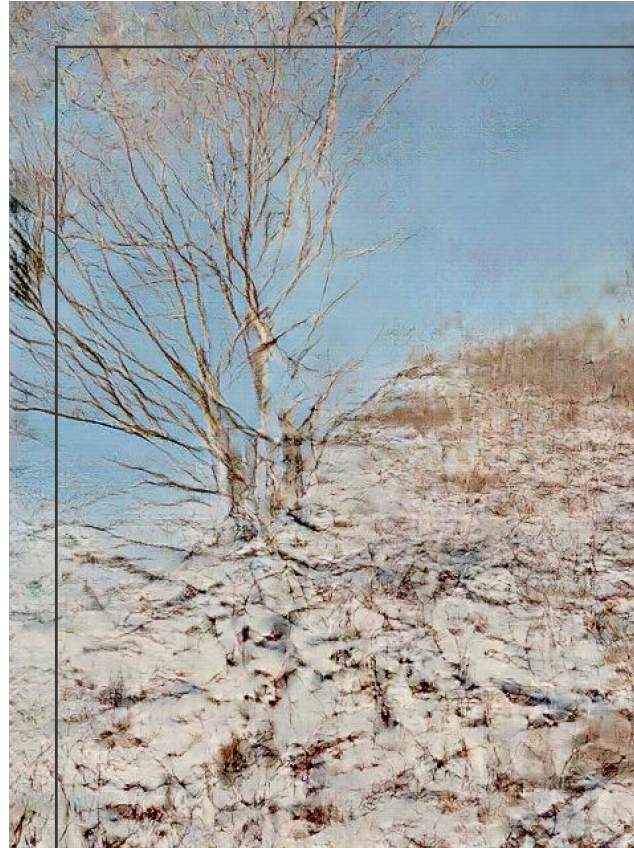Turn text descriptions of scenes to synthesized images.

BigGAN
by DeepMind

Generate images from 1,000 different categories.

Fast Style Transfer
by Justin Johnson

Stylize images in the style of famous painters.

StyleGAN
by NVIDIA

Generate photorealistic images of faces, landscapes, and more.

David Young

Winter Woods

AI / Machine Learning generated images and videos. 2018 - present.

'Using AI & machine learning the computer was trained on photographs that I took in the woods on my farm in Bovina, NY during the winter (November & December) of 2018. It then generated its own images. Nothing that emerges is accurate, but the work isn't asking for accuracy — it's asking for the machine to build its own unique vision of the natural world.'

Roman Lipski

Unfinished

Unfinished is the first and unique project that stimulates an artist's creativity through the creation of artificial intelligence. The complex system is able to imitate Roman Lipski's way of working and generates an infinite amount of original pictures.

Based on the dialogue between artist and computer, the artificial intelligence functions not only as a creative figure, but also as an ingenious source of inspiration - my new muse. It inspires, provokes and challenges me.'

UNFINISHED 1 exhibition
Berlin, 2016

02:49

vimeo

https://vimeo.com/197342884
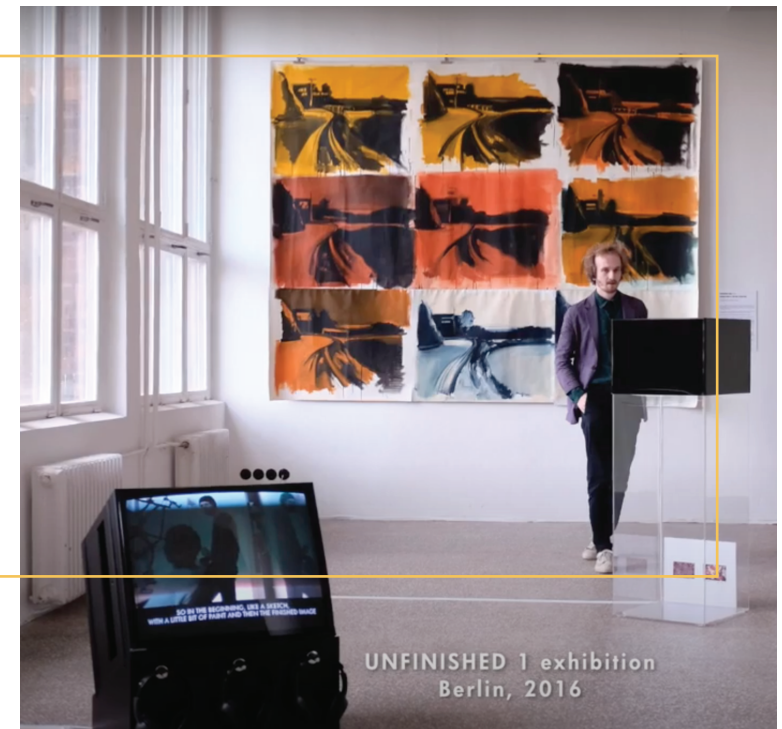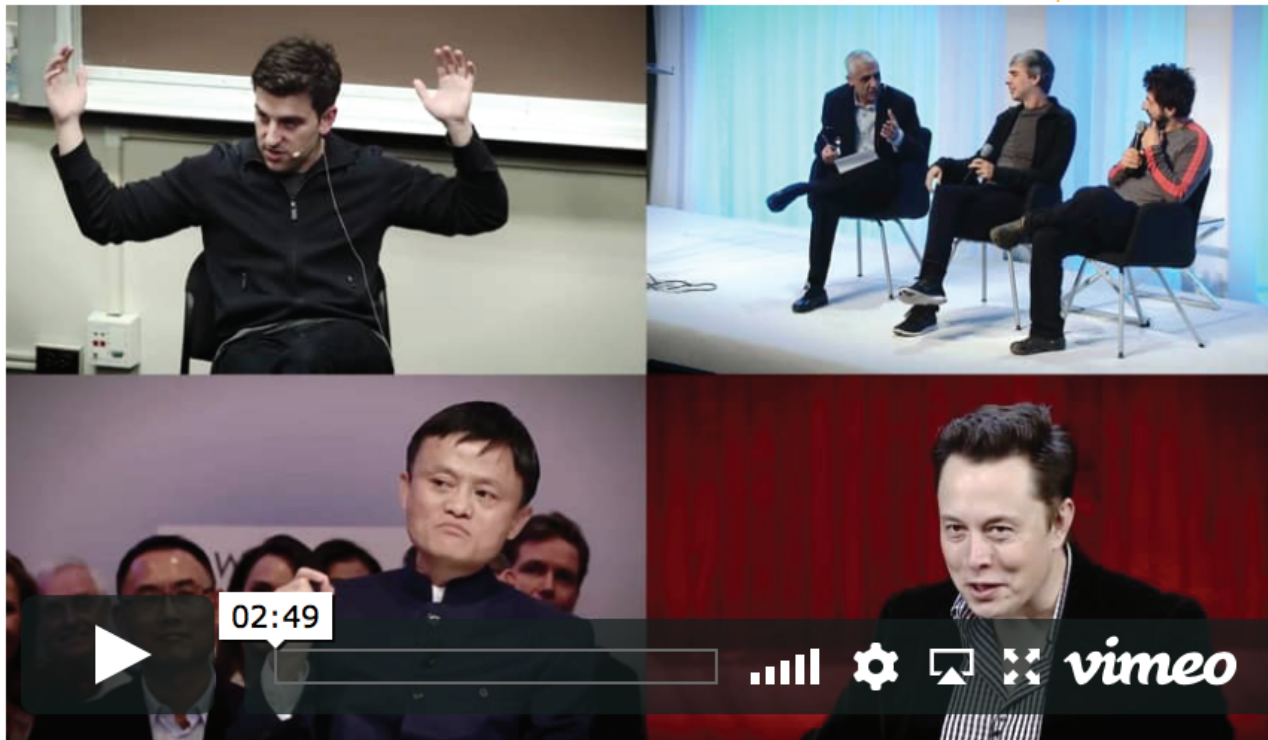
Jake Elwes

dada da ta

2016, Digital Video, 20 minute loop

In 'dada da ta' over 50 hours of video inter-views with leading figures in the global tech industry have been transcribed using the IBM Watson AI speech to text programme. A custom-made computer programme then identified the instances when the partici-pants spoke using numbers. It then abstracts these words from the source videos, leaving the interview's chronology intact yet reduced to a stream of numbers:

"One, one billion, one million, one hundred million, two billion, one, two hundred, ten thousand, eighteen thousand, two, two, two, ten, fifteen, nine thousand." Elon Musk.
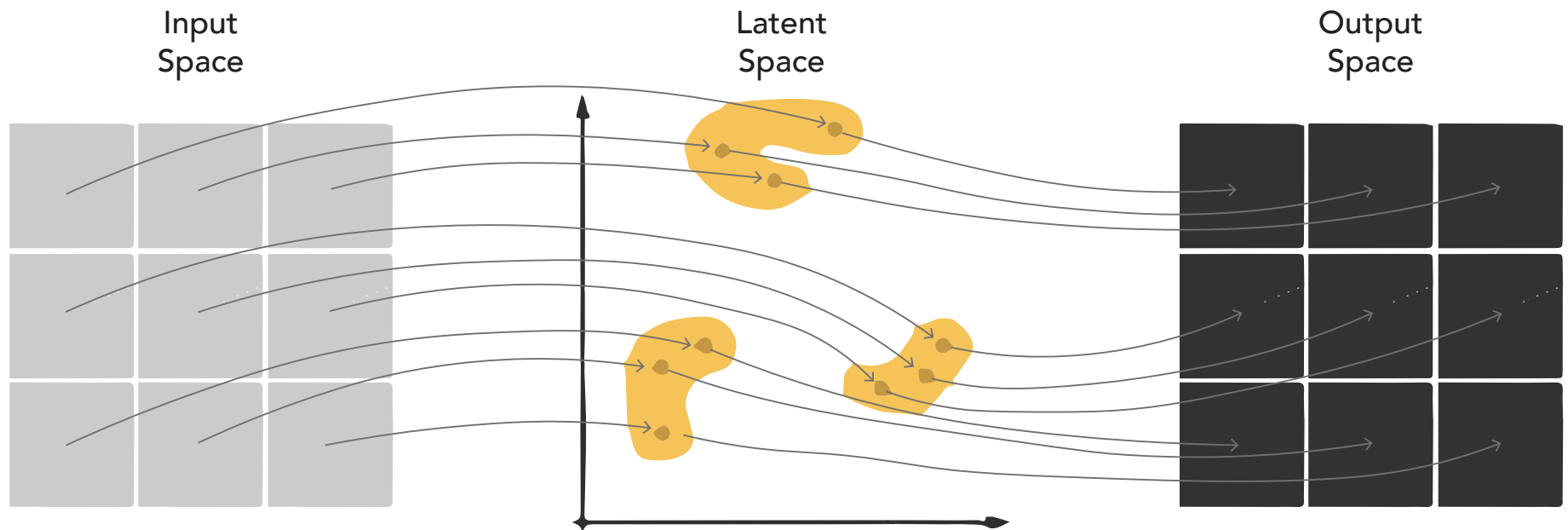
https://www.jakeelwes.com/project-DaDaTa.html

Latent Space (Possible Spaces)

Space that produced by algotritms

(architecture) + (media)

Input
Space

Latent
Space

Output
Space

Jake Elwes

Latent Space

2017, digital video, 45 minute loop
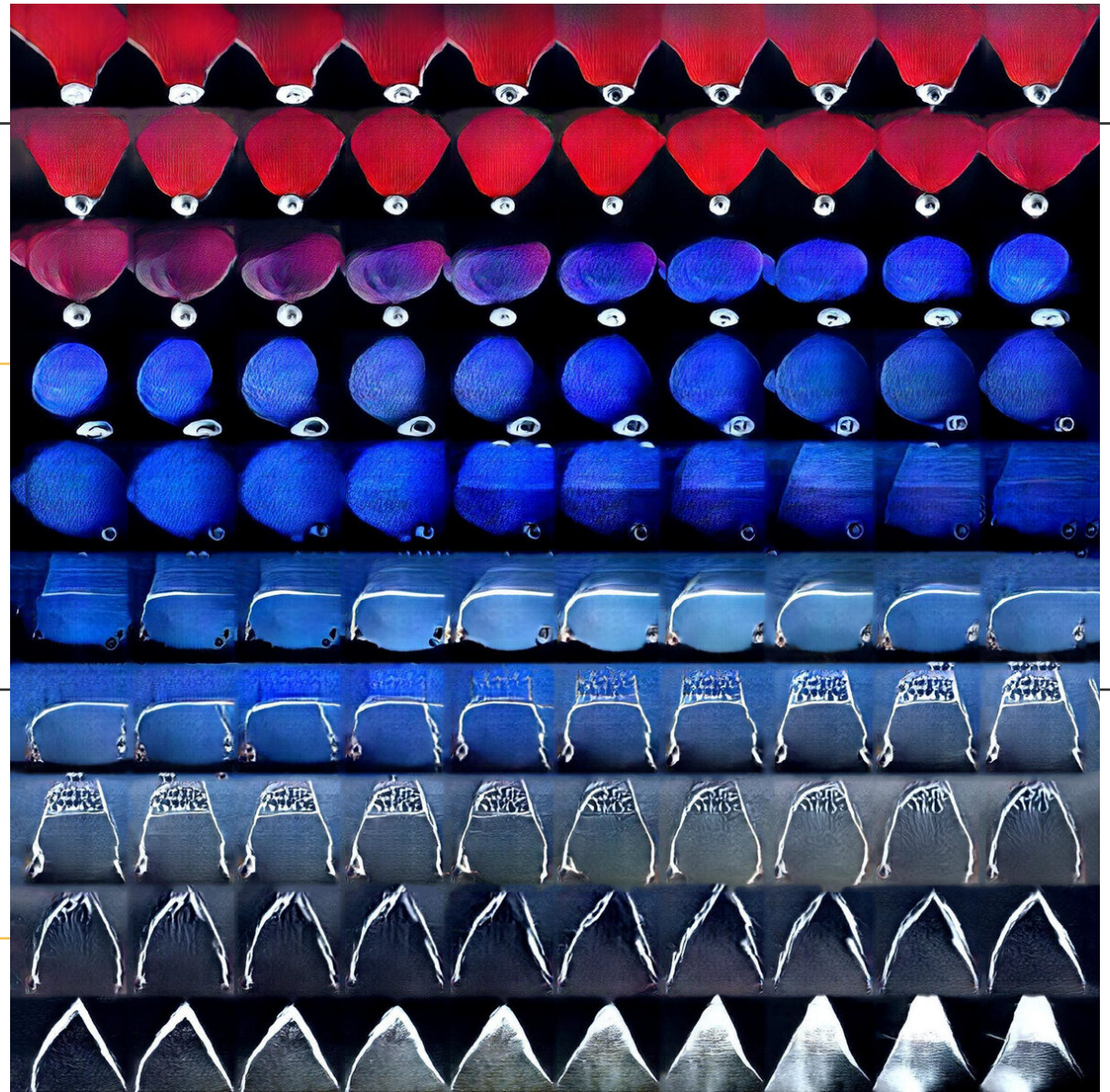
In artificial intelligence 'Latent Space' refers to a mathematical space which maps what a neural network has learnt from training images.

Latent Space is a video snap-shot of an A.I. algorithm trained using 14.2 million photographs2 continuously producing new images.

Leon Bold

Explorations in machine learning latent space typography.

Gene Kogan

A Book from the Sky 天书

Exploring the Latent Space of Chinese Handwriting

These images were created by a deep convolutional generative adversarial network (DCGAN) trained on a database of handwritten Chinese characters, made with code by Alec Radford based on the paper by Radford, Luke Metz, and Soumith Chintala in November 2015.

	是	在	不	国	上	有	大	为	年	以	出	分	市	学	来	日	能	理
	is	in	not	country	on	have	large	for	year	with	out	minute	city	learn	come	day	can	reason
real																		
generated																		

Critical Issues ?

Artistic Creativity in Artificial Intelligence

Towards an anti-fascist AI

Art in the Age of Machine Intelligence

creative abilities of artificial intelligence.