

Questions/Main Ideas	Notes
Material around of world	We living in vast Universe and there are a lot of non-living material around them:
	<ul style="list-style-type: none"> - Proliferating - radiating
Microscopic and cosmic materials	
QUEST: couldn't a powerful enough computer simulate? And can simulation take place much more?	Philosopher N. Bostrom gave an argument: That WE LIVING IN SIMULATION.
	Other scientist also believe in that.
Different meanings about simulation	So they started a test to check this theory and there are diff meanings:
	<ol style="list-style-type: none"> 1. simul. runs and sometimes there are some errors <ul style="list-style-type: none"> - to destroy this errors there are constants of nature 2. Tiny piece of the universe has infinite points and it is impossible simulate with computing power 3. People be able to search simulation <ul style="list-style-type: none"> - By using certain subatomic pieces 4. If the smaller thing is – the more sensitive it will be to distrupction
	If we do discover in space-time or shifting constant in natural law – we couldn't prove that is the simulation.
Humans understanding	Our current understanding of the natural world on the quantum level breaks down at what's known as the planck scale.
	There's still a wide range of things that are smaller than we currently observable.
	BUT: larger than the planck scale to investigate!
Simulation it is very slow process	
	Simulation would only be observable over the lifetime of the universe.
	IT could exist even if we don't detect it

Summary:
Humanity and universe start from somewhere - and it is simulation.
It isn't possible to give an answer WHAT is simulation. BUT science and technology are finding explanation.
Also, there are 4 meanings and states about simulation from different scientists.
Simulation in universe exist even when we can't see it.

Class Notes

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Topic_Are we living in simulation?_ _____

Class_____

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