**7**

## **DIGITALPHILOSOPHY**   **comments**           kiwi0fruit (**622**) |   |   |  **preferences** | logout

### Formal logic is a collection of presumptions of reality modeling. The presumptions are so successful that they seem obvious.

(self.DigitalPhilosophy)
submitted 3 years ago * by kiwi0fruit

> Or they were simply hardcoded to our brains :)
>
> (Just a random thought)
>
> **upd** But this does't deny that logic is a helpful tool to reason/infer about invariant constraints/patterns/properties (inveriant to transforms or different contexts). *Given we know about constraints that equivalent in cases we compare.

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[–] **j3alive** [ ] 1 point 3 years ago

Don't tell that to a mathematician ;)

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> [–] **kiwi0fruit** [S] 1 point 3 years ago
>
> Why not?)
>
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>
> > [–] **j3alive** [ ] 2 points 3 years ago
> >
> > I did one time and they were not enthused.
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[–] **kiwi0fruit** [S] 1 point 3 years ago

But this does't deny that logic is a helpful tool to reason/infer about invariant constraints/patterns/properties (inveriant to transforms or different contexts). *Given we know about constraints that equivalent in cases we compare.

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> [–] **kiwi0fruit** [S] 1 point 3 years ago*
>
> What does this tool can say about reality if it comes from needs to model reality(?) Reality is assembled from parts(?) Reality can change (to a different assembly)(?) There can be **different** assemblies and there are different sub-assemblies (so we can reason about differences)(?) And this gives us equality and inequality.
>
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    kiwi0fruit (edit)

Digital Philosophy is a direction in philosophy/metaphysics that relies on computer science and theory of computation. It commonly assumes discrete and finite/countable ontology.

Posts about digital philosophy together with posts close in spirit (or logically connected) are welcome in this subreddit. For example the welcomed posts may be about:

- digital physics, digital probabilistic physics,
- artificial life, open-ended evolution,
- Universal Darwinism,
- emergence mechanics,
- philosophy of artificial intelligence,
- anything where digital philosophy can get inspiration (cutting edge physics, computer science, etc.).

Original definition of the digital philosophy (DP) by Edward Fredkin was rather specific but for example Gregory Chaitin's ideas are indeterministic instead of deterministic but they are still considered belonging to DP. So it's more an umbrella term now.

According to Wikipedia DP is advocated by certain mathematicians and theoretical physicists, including: Edward Fredkin, Konrad Zuse, Stephen Wolfram, Rudy Rucker, Gregory Chaitin, and Seth Lloyd.

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- r/compsci Computer Science: Theory and Application
- r/algorithms Computer Science for Computer Scientists
- r/oee Open-Ended Evolution
- r/alife Artificial life

created by kiwi0fruit    a community for 3 years

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