

# Determinism & Chaos Theory

Post by “Don” of May 3, 2024 at 1:53 PM

Oh, I didn't mean in any language proficiency way or idiosyncratic way! Sorry if I implied that.

I was thinking literally as in "predictable" in a theoretical way or "predictable" in a practical way.

If - in a given conversation - someone wants to say, theoretically, that in the future some far-advanced hyper-super-quantum computing machine is able to plot the current state of all matter in the universe at every given microsecond... then, yes, *theoretically*, all future states are "predictable" due to the laws of physics; and the three-body-problem and all other issues raised with chaos theory go away.

If - in another conversation - someone wants to say that "practically-speaking", chaos theory makes it "practically impossible" to predict future states of a given phenomenon outside a given predictability horizon, then it seems it turns into a matter of predictability in a "we'll never be able to predict this 'in our lifetime'" or "we can't predict this" scenario.

So, given all that...

[Quote from TauPhi](#)

For this reason, whether we live in a deterministic universe under the illusion of free will or we truly have free will is indistinguishable to us - at least for now.

I would tend to agree with your assessment in your quote there...at least right now as I type this in this conversation 😊