

Determinism & Chaos Theory

Post by “Martin” of May 5, 2024 at 6:54 AM

Quote

Physics (modern physics) does seem to say we live in a deterministic universe due to physical laws.

Some physicists interpret the known physics such that the universe is deterministic, others (including me) interpret it such that it has fundamental indeterminacy, not just difficulty for prediction.

Quote

... 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; ...

Such a computer is not conceivable because it would be like a 1:1 scale map of everything, that means the universe would be used to calculate itself, which makes it pointless. A fundamental indeterminacy at the present can only be resolved by waiting for the future to see which way the system has moved.