On Free Will And Its Mockers

Post by “Martin” of June 17, 2019 at 1:47 AM

This is my position regarding the linked to articlele, of which the main point is that uncertainty of emergent properties or their relations assure non-determinism even if elementary particles are deterministic :

In the past, theoretical chemistry dealt predominantly with emergent properties and was thereby clearly separated from physics.

More and more of these emergent properties can be completely derived from first principles of physics by ab initio calculations. Thereby, hard determinism in the first principles translates into hard determinism of the derived emergent properties. Stochastics comes into play merely as a side effect of efficient expression of relationships between emergent properties at their higher level. Therefore, hard determinism would survive the stochastics in those relationships.

There appears to be no principal boundary which would make it imposssible to extend this approach to higher level emergent properties. Therefore, it appears feasible to uphold determinism to higher level emergent properties, too, as long as the hard-line determinist makes the bold assumption that there is still hidden physics which upholds determinism.

The Epicurean position correponds to non-deterministic interpretations of quantum mechanics. Emergent properties and their relationships inherit this non-determinism from the first principles. The scale of the additional stochastic nature of these relationships may hide the atomic swerve but it really comes only on top of that atomic swerve and does not refute determinism without the atomic swerve.