

## **BOOK REVIEW**

### **Relativizing Newton**

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The universally educated author sets out to impressively demonstrate that complex quantum theory and cosmology can be reformulated in beautiful simplicity based on his scale-free Information Relativity (*IR*) theory. This theory is based on transformations of base physical quantities (length, mass) and derived quantities (matter density, energy density including dark matter density) derived by accounting for the time offset of information from one point (body) in space to another one. There is no comparable work with such a big impact on physics conceived in such a short time. Many hypothetical constructs of quantum theory and cosmology become superfluous. Some physical paradoxes such as the twin paradox of cosmology were proven to be non-existent. The medial hype after the release of the last paper of the late *Hawking* concerning the black hole's information paradox has just gone by, but there is no such paradox. The wealth of rational as well as simple explanations of many physical phenomena ennobles the new theory.

The *IR* theory supports matter-wave duality similar to the de *Broglie–Bohm* conjecture, where dark matter as real, but not observable matter accompanying the dual baryonic matter like de *Broglie's* pilot wave. The 'two slits' experiment finds a simple explanation. Further, the author deduced gravity as caused by rotating dark matter halos around rotating celestial bodies.

Importantly, besides affecting the perception of our existence, the new physics should affect our planned actions. In this sense, very expensive but foolish space exploration and particle experiments should be avoided in the future. All we need is the insight of a few key researchers to stop. It is also important that the changed relativistic mass correction affects some fundamental constants of physics.

The results exemplifying the new theory are both insinuating and convincing and will convince any skeptic. Philosophically put, if one takes simplicity convoluted with beauty as truth, then the straightforward derivations summarized in this book are suggested to be scientific truth.

The presented ingenious physical conclusions of the new *IR* theory are well understandable, because one needs just a high-school level of mathematical skill to follow them. So I wish that the book will become a bestseller educating the next generation of physics students.

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