

Re: Why is Relativity constantly under attack?

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- *From:* Sam Wormley <swormley1@xxxxxxxxxx>
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Tom Potter wrote:

The best measure of a model is its' utility in a few and open market...

Na, You're wrong Potter, the measure of a scientific model is in the data agreeing with the models predictions. For example, there predictions of Special and general relativity have never been contradicted, but confirmed, by observations.

Newton's gravitational theory didn't explain what gravitation is but does provide reasonable accuracy for calculations.

GTR provides a more complete understanding of gravitation and is more accurate than Newton... orbital precession, gravitational lensing, etc. and yes, GTR predicts accurately the corrections necessary for Global Navigation Satellite Systems (GNSS).

You've got to admit, Potter, that GPS have proved to be quite the utility for the world... generating tens of billions of dollars of economic and utilitarian benefit to the peoples of this world. Both the quantum mechanics and general relativity have made that possible. :-)

GTR is an essential tool in investigations of compact astronomical objects... binary pulsars, supernovae, quasars, supermassive black holes, galactic evolution and galactic cluster evolution... Dark Matter distribution and cosmology. And so on!

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