

Physics - *Inertia (12/20/16)

Don's Dimples resist changing spacetime ratio (time axis) for each space axis (as evidenced by centripetal force) (Spacetime is stiff).

Don's Dimples bind to the Spacetime geodesic by some yet to be discovered mechanism. What is the mediator? Graviton? Higgs? Other?

The Spacetime geodesic is formed by the stress-energy tensor, I.e. - by gravity.

=====

Spacetime is stiff. Block time resists change to the geodesic. Block time grows instantaneously (and propagates at c ?) from gravity and thus forms geodesic Spacetime. The known forces divert mass from the block geodesic.

Spacetime dimples resist diverting their proper time axes.
Spacetime dimples resist changing their Spacetime ratio for each space axis.
Spacetime dimples can carry charge (strong, weak, electric, spin, none).
Spacetime dimples must have a quantum state (a Hilbert Space for each dimple?)
Why do Spacetime dimples travel in a straight line in flat space?
Inertia is another label for conservation of Energy & Momentum (E & B induction?)
Consider EEP & accelerated frame gravity field.

Straight is preferred only in absence Letters in Classical and Quantum Gravity of G-field, otherwise the geodesic is preferred.
Einstein says frame acceleration creates a G-field anti to local G-field that nullifies local G-field. Or mass in free-fall generates anti G-field. What of merry-go-round?
Entwurf?

Me: No G-field. Only Spacetime manifold. Mass binds to Spacetime manifold (brane) w/ G.

=====

Einsteins-theory-of-relativity-4engineers
Extended object's resistance to change in object's internal temporal / spatial relation (???)
Me: Change in point's time axis, or Spacetime relation, or deflection from geodesic. Geodesic maintains a ??? spacetime ratio.

It's not the rod, it the ST the rod is in.

=====

Mathpages

The Equivalence Principle is our test of the theory.

Inertia is implied by the local Conservation of Energy. $T_{uv} = 0$.

Free fall's dimple time axis is orthogonal to Time axis?

It takes Energy to dilate time, or divert proper time axis.

Vacuum field equations: $R_{mn} = 0$

Inertia is another label for conservation of Energy & Momentum.