

Acceleration With and Without a Rate

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The strength of gravity can be understood by weight.
The strength of gravity in weight is an acceleration multiplied by a mass.
There is no motion or change in motion in gravity's weight.
So if there are no changes there is no need for any rate.
No changes. No rate.
The strength in gravity would then be acceleration – without rate – multiplied by mass.

When you remove the rate from the Equivalence Principle you are left with a more general definition of acceleration. Without the rate you only have a limited acceleration. It happens to be the constant we know as the speed of light. The limit is less than a light speed change.

The Equivalence Principle must become in this way more general – a more general definition of acceleration.
The strength of gravity in weight is limited.

The other side of the Equivalence Principle applies to an accelerating frame which changes velocity in space.
The rate of change does apply here.

But in gravity the acceleration equivalence for weight is timeless. Timeless acceleration.

If the accelerations were the same we wouldn't need a principle. It is only because they are not exactly the same that we have a principle relating accelerating frames to unmoving frames having weight in gravity.

Mitch Raemsch -- Energy moves --