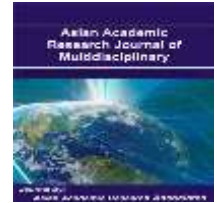




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**REVISED INTERPRETATION OF GRAVITATIONAL TIDAL WAVES (PLUS
MASS-FROM-GRAVITY CONCEPT) INTRODUCES NEW IDEAS REGARDING
BREAKUP OF CELESTIAL BODIES, EARTH'S OCEAN TIDES, BIG BANG,
ETERNAL LIFE, WORLD PEACE AND MATTER OR MASS**

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Abstract

This article had its beginning with Einstein's 1919 paper "Do gravitational fields play an essential role in the structure of elementary particles?" Together with General Relativity's statement that gravity is not a pull but is a push caused by the curvature of space-time, a hypothesis for Earth's ocean tides was developed that does not solely depend on the Sun and Moon as Kepler and Newton believed. It also borrows from Galileo. The breakup of planets and asteroids by white dwarfs, neutron stars or black holes is popularly ascribed by today's science to tidal forces (gravitation emanating from the stellar body and having a greater effect on the near side of a planet/asteroid than the farthest side). Remembering General Relativity, it was apparent that my revised idea of tidal forces improves on current accounts because it views matter and mass as unified with space-time whose curvature is gravitation. Unification is a necessity for modern science's developing view of one united and entangled universe – expressed in the Unified Field Theory, the Theory of Everything, String theory and Loop Quantum Gravity. The writing of this article was also assisted by visualizing the gravitational fields forming space-time being themselves formed by a multitude of weak and presently undetectable gravitational waves. The final part of this article concludes that the section **BITS AND TOPOLOGY** will lead to the conclusions in **ETERNAL LIFE, WORLD PEACE AND PHYSICS' UNIFICATION**. The final part also compares gravitation and electromagnetism to biological enzymes while biology's substrate of reacting "chemicals" is the Mobius strip plus the figure-8 Klein bottle. The product is mass and enzyme, substrate and product are all considered mathematical in nature.

Keywords - Gravitational Tidal Waves, Mass-from-Gravity, Breakup of Celestial Bodies, Earth's Ocean Tides, Universe's Big Bang, Eternal Life, World Peace, Matter, Mass

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