

Anti-Antimatter

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Santilli's isodual theory of antimatter [1] postulates four different directions of time. Ying's twin universe theory [2] supports this quadruple space-time existence using entropic description of matter. The Duality Principle is an established physics phenomenon that dictates quantized matter exists simultaneously in a dual state as a particle and a wave, and by definition antimatter must also have such a dual existence. This presentation will propose that the particle-wave dual state is a consequence of the same matter moving in time from either the past or future existence. It is further proposed that the reverse polarity of antimatter is also time reflection of matter. Hence matter and antimatter has conjugate pairs of anti-matter and anti-antimatter. Matter predominates in a positive quantified universe, while anti-matter dominates the reversed negative universe. Ying [3] was able to analytically account for Dark Energy as a stellar thermonuclear fusion process using this dual time-reversed (4 directions of time) existence of matter. Where present established science models fail to properly describe Dark Fluids, missing antimatter, stable protons and worst violates the basic conservational laws of thermodynamics, the new proposed theories can successfully account for all these current unexplained phenomena.

REFERENCES

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2. L. Ying, *Hadronic Journal*, **32**, 573-588 (2009)
3. L. Ying, *The Open Astronomy Journal*, **4**, 54-56 (2011)