## Abstract Submitted for the APR08 Meeting of The American Physical Society

## The Dual-Time Physics of the Universe PAUL SUH, EWSF Group —

Novel physics founded on a dual and commensurate space-time universe explicates the nature of dark matter and energy [see APS 2007 Spring Meeting]. Its governing principles also illuminate how the dark matter and energy become unobservable, why the dark energy still suffuses the universe while the observable energy had long faded into the cosmic microwave background, how the black hole singularity is circumvented, why the supernovae shone brighter eight billion years ago, what energy had powered the big-bang inflationary expansion, how the expansion of the universe began to accelerate about five billion years go, and other formidable cosmological puzzles. This paper is available on request to pksuh@msn.com.

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