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'Big Wave' Theory Offers Alternative to Dark Energy

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By Clara Moskowitz Staff Writer posted: 17 August 2009 Mathematicians have proposed an alternative explanation for the accelerating expansion of the universe that does not rely on the mystifying idea of dark energy. According to the new proposition, the universe is not accelerating, as observations suggest. Instead, an expanding wave flowing throughout space-time causes distant galaxies to appear to be accelerating away from us. This big wave, initiated by the Big Bang that is thought to have sparked the universe, could explain why objects appear to be farther away from us than they should be according to the Standard Model of cosmology. "We're saying that maybe these expanding waves are actually causing the anomalous acceleration," said Blake Temple of the University of California, Davis. "We're saying dark energy is not... [read full story]

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