

Abstract Submitted  
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**An Educational Look at an Alternative to the Simple Big Bang Model** RICHARD KRISKE, University of Minnesota — The author often toys with a Positively Curved surface resembling a globe as an alternative to the simple Big Bang model on a flat surface. When one looks at the Horizon of the earth, say at the ocean, masts in the distance tip away from the observer. If three dimensions of space were curved with a perpendicular mast at each vertex, those time masts would tip away from the observer and be cut-off. A new optical effect would be observed, in which vertices in the distance, say pair annihilation, would result in gamma rays appearing to be redshifted, since by parallel displacement, their time axis would progressively tilt away from the observer and give them a red shift until they reached a distance were they were non- magnifiable. Just as the Earth's Horizon is a non-magnifiable line (since the objects are tilted over and cut-off), so should be the Universe's Horizon be tilted and cut-off (but like a Black-Hole, the Horizon will be an area). The tilt and cut-off can be used to calculate the size and mass of the Universe, given that the cutoff is taken to be 2.725K, the CMBR. This model turns out to be a model of constants and gives absolute meaning to spin. Since this is a brand new theory developed solely by the author at his coffee breaks, looking out the window, he presents it as an exercise.

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