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A Globular effect to the CPT breaking on a Spherical Model of the Universe RICHARD KRISKE, University of Minnesota — If one accepts the idea that three dimensions can exist in a 4 dimensional Space-Time with Time being perpendicular at each point, then when one looks at the Horizon along the Minkowski Time Line, Space-Time separates into Space and Time at the Horizon. When this happens the symmetry between Space and Time is lost, but Space takes on a Globular (in the simplest model) a Spherical Shape. If one allows a duality between Geometry and Gravitation, one could say that the Geometry of the Sphere causes the Gravitation to come into being or one could say the Gravity causes the Universe to be a Sphere (in the Space dimension with the time dimension being perpendicular). One could claim that through symmetry, any time one could cause the Time Dimension to separate from Space-Time, whether by General Relativity as in this case, or by Special Relativity in a Particle Accelerator, that Mass is created. Another interesting aspect to this in that the Photon seems to have an internal mechanism that keeps track of the the Time Normal. If it where created near the Horizon, when the photon is detected here it is Red Shifted. What does one see for a Photon created on the other side of the Horizon? One could claim that this Time Arrow points in the wrong direction, and this "Wrong Time State" would show up as mass in the same symmetrical way as noted above, giving one another way of generating mass from energy (go beyond the Red-Shift,then tunnel).

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