

# Modern SpaceTime and the Kerr Metric

Ken S. Tucker

January 28th 2007

It has been derived in Eq.(11) in the ref'd article, “Modern SpaceTime”, the only generally permissible metric is,

$$ds^2 = g_{00} dx^0 dx^0 - g_{ij} dx^i dx^j, \quad Eq. (MST\ 11), \{i, j = 1, 2, 3\}. \quad (1)$$

That analysis directly challenges, the Kerr metric, (ref Weinberg, “Grav & Cosmo pg. 240”), where the “ $g_{i0}$ ” set’s forth a “frame-dragging effect”, based on Mach’s Principle, within the interval  $ds^2$ .

The experiment, Gravity Probe B is set forth to measure “frame-dragging”, and until those results are forth-coming, well I find MST null’s “frame dragging”, and responsibly report that as clear as possible.