## **COMPARISON of CLOCK RATE COEFFICIENTS** $F/F_{\infty}$ : For a range of coordinate distances to the center of a uniformly dense spherical mass.

## GENERAL RELATIVITY





Fig. 3. — Clock rate comparison. Top: Singularity-ridden GR predicts that clocks stop and densities become infinite when  $M/r \ge c^2/2G$ . Bottom: Well-behaved SGM accommodates all non-negative M/r ratios. *G* is Newton's constant and *c* is the light speed constant. Mathematical expressions will be explained later.