Test Equal Bending by Gravity for Space and Time DOUGLAS
SWEETSER, none — For the simplest problem of gravity - a static, non-rotating,
spherically symmetric source - the solution for spacetime bending around the Sun
should be evenly split between time and space. That is true to first order in M/R,
and confirmed by experiment. At second order, general relativity predicts different
amounts of contribution from time and space without a physical justification. I show
an exponential metric is consistent with light bending to first order, measurably dif-
ferent at second order. All terms to all orders show equal contributions from space
and time.

Beautiful minimalism is Nature's way.

Douglas Sweetser