

October 14, 2008

PHYS 6333 (General Relativity)

Assignment #7, Due pm Wednesday October 22, 2008

1. Read Ch. 7 of Hughston & Tod,
2. Read Sections 10.5, 14.2, 14.3, & 14.4 of Rindler,
3. Read Section 21.1 & 21.2 of Hartle,
and compute the nonvanishing components of the Riemann curvature and Ricci Tensors, respectively $R^a{}_{bcd}$ and R_{ab} , for the exterior Schwarzschild metric using the now familiar Schwarzschild coordinates system (t, r, θ, ϕ) .