

Black Holes, Problem Set 2 for Thursday, Sept. 5

Problem 1 — Earth's Surface as a Free-Float Frame?

Do Exercise 2-5 on p. 46

Problem 2 — Test Particle?

Do Exercise 2-10 on p. 47

NOT TO TURN IN — Horizontal Extent of Free-Float Frame Near Earth

Examine Problem 2-6 on p. 46. Rania and Rebecca are going to present the Figure 2-5 version of this problem, but everyone should be thinking about how they would attack it.

ALSO NOT TO TURN IN — Vertical Extent of Free-Float Frame Near Earth

Similarly, everyone should examine and think about how they would attack Problem 2-8 on p. 47.