

Homework Set - Special Relativity

Readings

§ 28.1 - 28.7, pgs. 865-887

"Great spirits have always encountered violent opposition from mediocre minds" ~Einstein

Vocabulary to be familiar with:

Inertial reference frame

Time dilation

Length contraction

"mass increase"

events

simultaneity

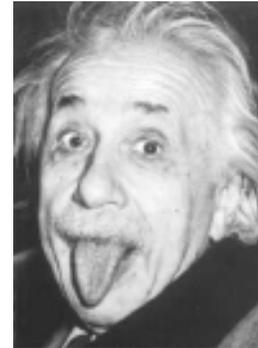
rest mass

rest energy

Questions & Problems

Questions: 1,4,6,13, and supplementary worksheet

Problems: 1,12,23,32, and supplementary worksheet



Extra: (max of 3pts)

Problems: 7,16,42,43

**Derive algebraically the idea of time dilation (2pts)



Outlines		10
Questions		16
Problems		14
Extra/Other		
Total		40



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