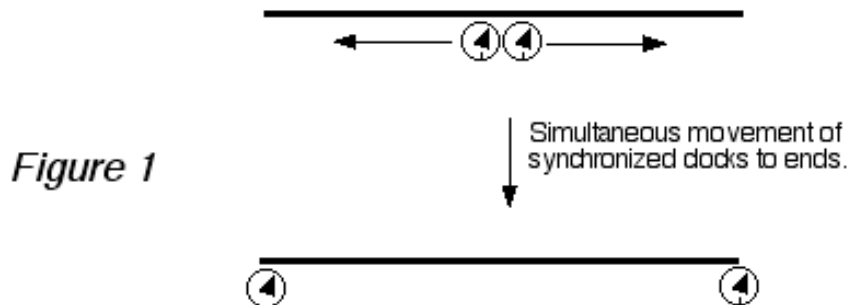


Heuristic Proof the Speed of Light is Not Constant for All Observers

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October 5th, 2011

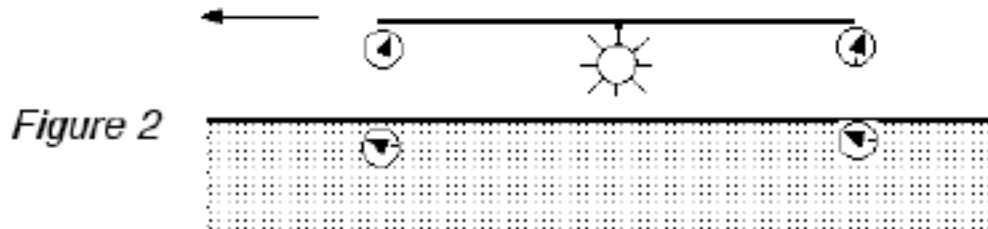
Herein it is shown that in certain circumstances it is impossible for the speed of light to be constant for all observers.

Before showing this proof, Figure 1 demonstrates the process of how two synchronized clocks are distributed along a rod. We first start with the synchronized clocks in the center then simultaneously move them to the ends.



This distribution of synchronized clocks can be done with a stationary rod, or on a moving rod.

Now we turn to the proof in Figure 2.



Therein we have two rods, one moving and one stationary, wherein the two clocks of each rod have been independently synchronized and distributed. Note the clocks of one rod need not be synchronized with those on the other.

Now... at the very center of the top moving rod is a light pulse source, which activates just as the center of the moving rod is coincident with the center of the lower.

Further as the light passes each of the four clocks they are stopped.

It is impossible, regardless of consideration of time dilation or length contraction, that for each rod, its two clocks show the same length of time before being stopped by the light.

In other words, after being stopped by the light pulse, when the two clocks of each rod are brought back to the center and compared, the clocks of each rod cannot show the same lapse of time.

Note we are not concerned with comparing the clocks of the two rods, just the clocks of each rod.
