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0:98 D 1 P 0:02 ' 7:1: So From The Rest Frame Of The Starship The Clock Appears To Be Ticking About 7 Times Slower Than For An Observer On The Side Of The Road ... 1th, 2024THE SPECIAL THEORY OF RELATIVITYTrain Is In Motion By Carrying Out An Experiment, Such As Playing A Game Of Pool. But, As Described Above, A Game Of Pool Proceeds In Exactly The Same Way As If It Were Being Played Back Home - No Change In Shot-making Is Required. There Is No Indication From This Experiment As To Whether Or Not The 2th, 2024Section 11.1: The Special Theory Of Relativity Mini ...Answers May Vary. Sample Answers: (a) The Three Most Natural Reference Frames To Use Would Be: 1) A Frame Moving Alongside The Skater At The Same Velocity; 2) A Frame Fixed On The Deck Of The Boat; And, 3) A Frame Fixed On The Shoreline. (b) For Reference Frame 1 In Part (a), The Student On Skates Would Not Be Movi 2th, 2024.

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$\Delta t$  whereas a clock that stays at rest at the origin will show an elapsed time  $T_2 - t_1 > \Delta T$ . Because the clock is undergoing acceleration an observer moving with the clock is no longer an inertial observer (he is feeling all kinds of (fictitious)

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