

CWSF 2005 - Vancouver, British Columbia



Luke Santi, Jon Ruffolo

Einstein vs. Water Flea

Division: Physical & Mathematical Sciences

Category: Junior

Region: Waterloo-Wellington

City: Kitchener, ON

School: St. Paul Catholic School

Abstract: In "The (De)mystifying of Einstein's Speed of Light Postulate", The Perimeter Institute for Theoretical Physics uses the analogy of waves on a pond. This project extends this analogy to the other postulates of Special Relativity. Experimental results were in agreement. A quantum ether model is proposed that does not violate Special Relativity.