

## 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.