



## CWSF 2006 - Saguenay, Québec



## **Kienan Marion**

## A Wrinkle In Spacetime

**Division:** International

Category: Junior

**Region:** Calgary Youth City: Calgary, AB

**School:** Queen Elizabeth Junior Senior High School

**Abstract:** Gravitational wave detection was modeled using corks in water. Distances

between corks were measured as waves passed. Wavelength was found to be the most important factor in detecting gravitational waves. When wavelength was equal to the cork spacing, harmonics masked the stretching and squeezing of distances between measurement points.

Awards	Value
Award for Excellence in Astronomy - Junior	\$500
Sponsor: Royal Astronomical Society of Canada	
The University of Western Ontario Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Bronze Medal - Physical & Mathematical Sciences - Junior	\$300
Sponsor: Encana Corporation	
Total	\$1 800



