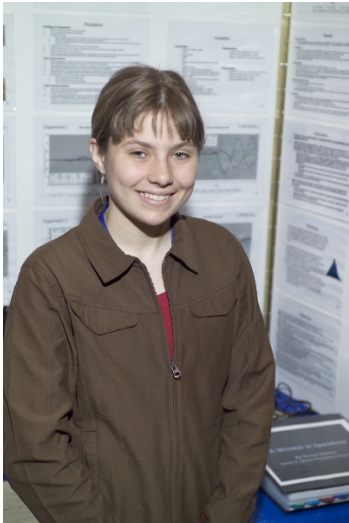


# CWSF 2006 - Saguenay, Québec



## 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 Sponsor: Royal Astronomical Society of Canada	\$500
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Physical & Mathematical Sciences - Junior Sponsor: Encana Corporation	\$300
<b>Total</b>	<b>\$1 800</b>