

ESPC 2012 - Charlottetown (Ile-du-Prince-Édouard)



Rachel Alexandra Shadoff

Vortex Cooling

Défi: Innovation

Catégorie: Junior

Région: Peel

Ville: Mississauga , ON

École: Tomken Road Senior P.S.

Sommaire: This experiment was conducted in order to see how well vortex cooling works, and to find the best combination of variables for a vortex tube. A vortex tube was constructed during this project and was tested to find the most efficient combination. The results showed that the smallest washer and the bluntest end piece that provided the best seal were the most effective.

Biographie

As a second time CWSF finalist, I'm glad to be back. I've been busy since last year with many extra-curricular activities, such as my FLL robotics team. I'm the captain of the Sci-Borgs, and we are going to Germany this June to compete in the European Open Championship. I've also started writing a few books, which I hope to finish. Somehow, my books always remain ending-less, even though writing is one of my passions (besides science fair, of course). I'm a grade 8 student at Tomken Road Middle School, which means I'm quickly approaching high school. I definitely want a post-secondary education, and would like to pursue a career in either science or engineering. This year, I would like to win at least one award of some kind with my project on Vortex Cooling.

Prix

Valeur

Prix d'excellence - Junior - Médaille d'argent Commanditaire: Sciences jeunesse Canada	700,00 \$
Bourse d'études de Western University Médaille d'argent - Bourse d'admission de 2 000 \$ Commanditaire: Université Western	2 000,00 \$
Total	2 700,00 \$