

ESPC 2009 - Winnipeg (Manitoba)



Timothy Carlielle-Shaw

Annular Wings vs Straight Wings

Division: Sciences de la santé / Technologie automobile

Catégorie: Intermédiaire

Région: Central Alberta

Ville: Olds, AB

École: Olds Junior Senior High School

Sommaire: Annular-wings, (circular shaped closed wings) have always been around, but there has been little to no research done on them. Annular-wings theoretically eliminate parasitic or lift-induced drag, but there has been no experimental evidence to back up this theory. To help prove or disprove this theory, I built an airplane with an annular wing and used a wind tunnel to do some experiments with annular-wings.

Biographie

I am in grade eight and attend Olds Jr. Sr. high school in Olds, Alberta. I have entered science fairs for the last seven years, and participated in the CWSF 1 year winning bronze in earth sciences. My hobbies include camping, biking with my friends, and making chainmaille, an ancient art that produces beautiful jewelry or tough armor. I also enjoy collecting fossils in the Alberta badlands with my dad and I am a member of the Alberta Paleontology Society.

Prix

Valeur

Prix d'excellence en astronomie - Intermédiaire Commanditaire: La Société royale d'astronomie du Canada	750,00 \$
Bourse d'études de l'Université Western Ontario Médaille d'argent - Bourse de début d'études de 1 500 \$ Commanditaire: Université Western Ontario	1 500,00 \$
Bourse d'études de l'Université Western Ontario Médaille de bronze - Bourse de début d'études de 1 000 \$ Commanditaire: Université Western Ontario	1 000,00 \$
Médaille de bronze - Technologie automobile - Intermédiaire Commanditaire: AUTO21	300,00 \$
Médaille d'argent - Génie - Intermédiaire Commanditaire: Sciences jeunesse Canada	700,00 \$
Total	4 250,00 \$