

CWSF 2006 - Saguenay, Québec



Vladislav Ternovsky

A hole in a wing: not always a bad thing

Division: Health Sciences

Category: Intermediate

Region: Toronto

City: Toronto, ON

School: Northview Heights S.S.

Abstract: Several airfoils with endplates were constructed. Interchangeable boxes with various shaped holes were placed at the maximum pressure difference location. Using different anemometers, airflow through the holes was observed. A classification system called CFM was made for the holes. The device was adapted, and tested to some potential applications.

| Awards | Value |
|---|---------|
| The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario | \$1 000 |
| Bronze Medal - Engineering - Intermediate Sponsor: Youth Science Foundation Canada | \$300 |
| Total | \$1 300 |