

CWSF 2006 - Saguenay, Québec



Jonathan Tomkun

Put a Spin On It

Division: International

Category: Senior

Region: Waterloo-Wellington

City: Waterloo, ON

School: St. John's-Kilmarnock School

Abstract: Four kinds of balls were spun at various rates and exposed to varying wind speeds. The pressure differential between opposite sides of each ball was measured. As the rate of spin increased, the pressure differential increased. As the wind speed increased, the pressure differential increased quadratically.

| Awards | Value |
|---|----------------|
| CAP Physics Prize - Senior Sponsor: Canadian Association of Physicists | \$1 000 |
| The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario | \$1 000 |
| Bronze Medal - Physical & Mathematical Sciences - Senior Sponsor: Encana Corporation | \$300 |
| Total | \$2 300 |