

CWSF 2009 - Winnipeg, Manitoba



Jenna Schlorff

Crushed!

Division: International / Automotive

Category: Junior

Region: Bluewater

City: Hanover, ON

School: Holy Family E.S.

Abstract: The result of the crush formula calculation was compared to the result of the CDR download in determining the speed of a vehicle at the time of impact during a collision. The two methods were applied to fifty vehicles. The CDR speed proved to be more accurate than the crush formula speed. A series of jump tests were completed to validate the exact trajectory equation.

Biography

My name is Jenna Schlorff. I have lived in Hanover Ontario all of my life. I attend Holy Family School and I am in grade eight. I participate in the school choir, band, yearbook committee, and the skipping team. I also serve in my church, play the piano, and work at CMR, an insurance company. I would like to be a Pharmacist when I grow up. In grades five and six I participated in the Bluewater Regional Science and Technology Fair I received the Freddy Fusion best in the fair award. I enjoy completing a Science Fair Project every year. I am very honoured to be representing my region at the 2009 Canada-Wide Science Fair.

Awards

Value

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|---|----------------|
| The University of Western Ontario Scholarship Gold Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario | \$2 000 |
| The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario | \$1 500 |
| Silver Medal - Automotive - Junior Sponsor: AUTO21 | \$700 |
| Gold Medal - Physical & Mathematical Sciences - Junior Sponsor: Encana Corporation | \$1 500 |
| Total | \$5 700 |