

CWSF 2006 - Saguenay, Québec



Tavian Barnes

Simtime

Division: Earth & Environmental Sciences

Category: Intermediate

Region: Calgary Youth

City: Calgary, AB

School: Queen Elizabeth Junior Senior High School

Abstract: Simtime is a computer program, written in C#, that calculates gravitational interactions between masses using Newtonian Gravity. It calculates the motion numerically, and displays the results in three dimensions. Simtime is useful for demonstrating gravitational interactions that are too complex to be described or imagined easily.

| Awards | Value |
|---|----------------|
| Award for Excellence in Astronomy - Intermediate Sponsor: Royal Astronomical Society of Canada | \$750 |
| The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario | \$1 500 |
| Silver Medal - Computing & Information Technology - Intermediate Sponsor: Intel of Canada, Ltd. | \$700 |
| Total | \$2 950 |