

CWSF 2011 - Toronto, Ontario



Collin Fair

Simulating Water Flow using Topographical Models

Challenge: Information

Category: Senior

Region: Central Alberta

City: Carstairs, AB

School: Olds Junior Senior High School

Abstract: Flooding is a perennial problem that puts thousands of Canadians and millions in infrastructure at risk every year. Considering this, I have developed a complete workflow that allows the use of freely available topographical data to perform simulations of large-scale water flow that could be used in disaster planning and response, among many other applications.

Biography

When I'm not going to science fairs, as I have for the past 11 years, you'll find me volunteering at a local theatre, helping plan upcoming UNESCO conferences, fixing medical equipment, taking photos, or maybe even doing work experience at the local college and school division.