

CWSF 2010 - Peterborough, Ontario



Stefan Belev

Electricity: The Behaviors and Effects

Division: Physical & Mathematical Sciences

Category: Intermediate

Region: Saskatoon

City: Saskatoon, SK

School: Walter Murray Collegiate

Abstract: My project involved the construction of a Marx generator, a circuit based generator that switches from charging in parallel to discharging in series due to spark gap ionization. Within the constraints of my project, this apparatus was used to test the integrity of electrical insulators, and to study some of the physical laws that govern the behaviors of electricity.

Biography

I have always been interested in science and discovery ever since I was little, and this love was only nurtured from my parents, allowing me to develop an insatiable curiosity about the unknown. This has led me to love most fields of science, and has resulted in my preference in them as classes. Even so, I enjoy many subjects at school, including math, robotics, computer science, English language arts, and history to name a few. I also enjoy to play sports and spend time with my friends, like most teenage boys.