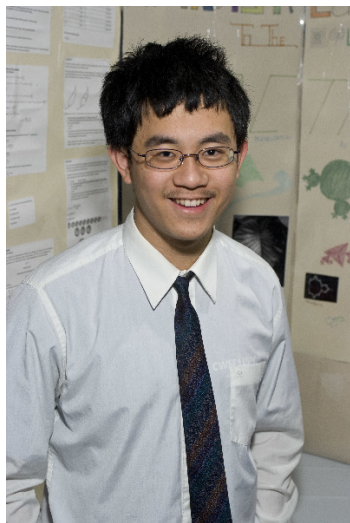


ESPC 2010 - Peterborough (Ontario)



Steven Zheng

A Statistical Approach to the Applications of Fractal Geometry

Division: Sciences physiques et des mathématiques

Catégorie: Intermédiaire

Région: Greater Vancouver

Ville: Richmond, BC

École: R C Palmer Secondary

Sommaire: I wanted to find an automatic method to calculate the area, volume or numerical value to evaluate and analyze natural patterns. Most importantly, I want to apply this method to science. The method was derived from geometric progression but modified so that it includes the value of the original shape of a fractal set. By applying the formula $A_T = k \frac{1 - r^N}{1 - r}$ and other variants.

Biographie

I have always been a problem solver, even before I could remember. My hobbies range from reading to math, puzzles to poetry and music, building models to stamp collecting, ping pong and baseball. At school, I affiliate in the debate club, math club, science teams and engineering club. Most of all, I am a thinker and a worker.

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