

CWSF 2006 - Saguenay, Québec



Nancy Nguyen

Elementary Proof for Blundon's Inequality

Division: International

Category: Senior

Region: Greater Vancouver

City: Vancouver, BC

School: Vancouver Technical Secondary

Abstract: The project gives an originally elementary proof to Blundon's inequality, which is also known as the Fundamental Triangle Inequality. By using simple geometric propositions and basic calculus, the proof provides an alternate way to Blundon's inequality, which would otherwise require advanced mathematics to do so.

Awards	Value
Canadian Mathematical Society Award Sponsor: Canadian Mathematical Society	\$1 000
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Physical & Mathematical Sciences - Senior Sponsor: Encana Corporation	\$700
Total	\$5 200