Mate Bezdek

X-raying and Geometry

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by request.

Division: International
Category: Junior
Region: Calgary Youth
City: Calgary, AB
School: St. Brigid

Abstract: My project deals with the mathematics of X-raying. More exactly, it belongs to the important and fast-developing area called geometric X-raying. The concept of the X-ray number (Xn) was introduced by P. Soltan in 1972. My work is centered on this notion, and introduces new concepts like the circular X-ray number, the X-raying parameter (Xp) and proves new theorems on them.

Awards	Value
Canadian Mathematical Society Award - Junior Sponsor: Canadian Mathematical Society	$250
The University of Western Ontario Scholarship Silver Medallist - $1500 Entrance Scholarship Sponsor: University of Western Ontario	$1 500
Silver Medal - Physical & Mathematical Sciences - Junior Sponsor: Encana Corporation	$700
Total	$2 450