

# CWSF 2006 - Saguenay, Québec

## 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 ( $X_n$ ) 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 ( $X_p$ ) 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
<b>Total</b>	<b>\$2 450</b>