

MATHEMATICS COLLOQUIUM

Grzegorz Lewicki

University of Krakow, Poland

"On the Grünbaum Conjecture"

Wednesday, April 23rd, 2008

4:10-5:00pm, tea time @ 3:40

Surge 284

Let V be an n -dimensional, real Banach space and let $\lambda(V)$ denote its absolute projection constant set for $n \in \mathbb{N}$

$$\lambda_n = \sup \{ \lambda(V) : \dim(V) = n \} .$$

It was conjectured by Grünbaum that $\lambda_2 = \frac{3}{4}$.

In my talk, I would like to show a sketch of a proof of this conjecture. Also some related results and open problems will be presented.