

# Re: an inequality from geometry

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- *From:* ulfarsson <ulfarsson@xxxxxxxx>
  - *Date:* Thu, 13 Dec 2007 15:49:13 -0800 (PST)
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On Dec 13, 4:51 pm, kar <k\_yeriss...@xxxxxxxx> wrote:

On Dec 13, 1:47 am, ulfarsson <ulfars...@xxxxxxxx> wrote:

On Dec 11, 1:08 pm, kar <k\_yeriss...@xxxxxxxx> wrote:

Hello everybody!

(I write the mathematical formulas in LATEX format)

$n \geq 2$  is a natural number,

$H$  is the hyperplane consisting of all vectors in  $\mathbb{R}^n$  the sum of the components of which is zero, that is

$$H = \{ x \in \mathbb{R}^n \text{ s.t. } \sum_{i=1}^n x_i = 0 \}$$

let's denote for ease of writing the cube

$$T = [-1, 1]^n$$

Re: an inequality from geometry

I am interested if an inequality like the following holds