

Re: Hard problem

Source: <http://sci.tech--archive.net/Archive/sci.math/2005-12/msg00404.html>

- *From:* john_ramsden@xxxxxxxxxxxxxxxx
 - *Date:* 1 Dec 2005 13:58:30 -0800
-

Peper wrote:

>
> three positive real numbers a,b,c with
> $ab + bc + ca = 3$
>
> prove that:
> $a^3 + b^3 + c^3 + 6abc \geq 9$
>
> Any hints how to do that?
>
> --
> Best Regards,
> Peper

Yes – Use the Rusin method to express it as a sum of squares.

Should be pretty straightforward (chortle).

.

-
- *References:*
 - ◆ ***Hard problem***
 - ◇ *From:* Peper
 - Prev by Date: ***Re: are rational exponents defined for negative bases?***
 - Next by Date: ***Re: Cardinality of the surreals***
 - Previous by thread: ***Re: Hard problem***
 - Next by thread: ***Re: Hard problem***
 - Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***