

Re: sines problem

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- *From:* olegtsodikov@xxxxxxxxxx
 - *Date:* 1 Mar 2007 09:57:19 -0800
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On Mar 1, 12:41 pm, jankri...@xxxxxxxxxxxxx wrote:

On 1 Mar, 18:32, olegtsodi...@xxxxxxxxxx wrote:

On Mar 1, 12:25 pm, jankri...@xxxxxxxxxxxxx wrote:

On 1 Mar, 18:11, olegtsodi...@xxxxxxxxxx wrote:

If we have a finite set of angles, ϕ_i
($i=1,2,\dots,N<\infty$), then can
one always find an integer $n>0$ such that
 $\sin(n\phi_i)$ are all non-negative ?

It is quite easy to find a counter-example already for $N = 2$.

Can you give a counterexample, please?
Oleg

If this is homework, I think that hint is enough. OK, one more: ϕ_1
could be 1.

J K Haugland <http://home.no.net/zamunda>

I haven't had homework for many years. If you choose not to post the
counterexample, that's fine. Remove your post then.
Thanks.