

Re: topology and compact sets

Source: <http://sci.tech-archive.net/Archive/sci.math/2005-03/5754.html>

From: William Elliot (marsh_at_privacy.net)

Date: 03/16/05

Date: Wed, 16 Mar 2005 15:05:36 -0800

On Wed, 16 Mar 2005, Zdislav V. Kovarik wrote:

> *On Wed, 16 Mar 2005, Dave Rusin wrote:*

>> *Igor Khavkine <igor.kh@gmail.com> wrote:*

>>

>>> *Is your set $\{x \text{ in } X : f(x) \leq c\}$ open or closed?*

>>

>> *The teacher in me insists that you phrase your hint something like,*

>>> *Is your set $\{x \text{ in } X : f(x) \leq c\}$ open? Or closed? Or... ?*

>>

>> *No sense reinforcing a common misunderstanding.*

>

> *Is the set ajar?...:-)=*

>

I suppose it could be if it isn't in a door space.

By ajar do you mean semi-closed or preclosed?

Is regular closed set locked shut? ;-)