
Subject: Re: Conversion Error?

Posted by [steinhh](#) on Tue, 17 Aug 1999 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

In article <4KVt3.65216\$jl.41071979@newscontent-01.sprint.ca>
"Laurent Chardon" <chardons@NOT_THISsprint.ca> writes:

> Thanks David and Martin for your help. So if I understand
> properly, IDL uses fix() by default when converting doubles to
> integer. That's tricky. Does it make sense to do that?

Yes, it does. I know of no other language that rounds by default
when converting float to integer types. (Ok, so there probably
are *some* languages that use round).

> The solution would be to use c=fltarr(round(size)). Shouldn't IDL
> do that by default?
> I'm wondering what's the use of using fix() instead of round() in
> this instance. Does anybody know?

You can bet a number of applications *rely* on this default
behaviour. Needs differ from one situation to another. You should
also consider using either ceil() or floor() instead of round(),
in some cases.

Regards,

Stein Vidar
