Subject: Re: Having trouble stopping a loop (or loop de loop de loop)
Posted by Michael Galloy on Tue, 26 Aug 2008 04:58:20 GMT

David Fanning wrote:
> And, second, I don't think in 25+ years of computer programming I have
> ever used a floating point loop counter. I didn't even know it was
> possible. If it *is* possible, then I envision havoc, simply by
> virtue of the way floats can (or, more to the point, cannot) be
> represented on computers. (I could easily be wrong about this,
> but I'm just saying I've never found a reason for it, so I have
> never tried it. There must be a significant difference in how
> you and I think about loops.)

You can use a floating point counter and it is a problem:

```
IDL> for i = 0.0, 1.0, 0.1 do j = i
IDL> print, j
      0.900000
IDL> print, j, format='(F20.15)'
   0.900000095367432
```

Mike
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