Subject: Re: GDL weirdness (bug?) with modulo command
Posted by Craig Markwardt on Wed, 16 Apr 2014 19:14:48 GMT

On Wednesday, April 16, 2014 3:55:15 AM UTC-4, rj...@le.ac.uk wrote:
> Yeah, that's why I posted here rather than submitting a GDL bug report. I thought it might be some subtlety like that which wasn't actually a bug. However, mod behaves as I'd expect in IDL and it's only GDL with this issue.
>
>
>
> I think that points to a bug or dodgy implementation in GDL...?

Let's use your example.

print, (200.0 MOD 12) - 8.0

On IDL the result is 0.0. I agree, that's the expected value, because floating point should be able to calculate this exactly. But I would also argue that any value within 0 +/- EPS is consistent with 0.

Craig

EPS = (machar()).eps