
Subject: Re: significant figures function?

Posted by [Martin Downing](#) on Tue, 27 Feb 2001 01:36:29 GMT

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"Ben Tupper" <pemaquidriver@tidewater.net> wrote in message
news:3A9AEA4B.E6169330@tidewater.net...

> You try the following.

>

> ;-----start

> ;+

> ; NAME:

> ; ROUNDPV

> ;

hm, I got funny results with this (as i did with my other attempt!)

```
IDL> print, roundPV( [ 0.0002323,34.3434,1234000], 2)
0.000000  0.000000 1.23400e+006
```

so I had another think:

```
function fix_digits, num, digits
p10 = floor(alog10(abs(num)))
expo = 10.0d^(digits -1 - p10)
fix_val = long(num*expo)/expo
return, fix_val
end
```

this seems to be fine for all thise who dont care about casting to double
- some one else can reset the type!

```
IDL> print, fix_digits( [ 0.0002323,34.3434,1234000], 2)
0.0002300000  34.000000  1200000.0
```

Martin
