
Subject: Re: representative digits
Posted by [R.Bauer](#) on Mon, 04 Feb 2002 15:18:09 GMT
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Andrea Pitacco wrote:

```
>
> On Mon, 04 Feb 2002 13:46:58 +0100, Reimar Bauer
> <r.bauer@fz-juelich.de> wrote:
>
>> Hi,
>>
>>
>> I am searching for a routine to copy numbers to their
>> representative digits in a string.
>>
>> e.g
>>
>> float : 6 digits
>>
>> numbers=[(1/3.)*1000., !pi*10000.]
>>
>> print,numbers,format='(F20.5)'
>>
>> gives a fix mask and returns:
>>
>>      333.33334
>>    31415.92773
>>
>>
>> what I like to have is :
>>
>> 333.333
>> 31415.9
>>
>> Any ideas ?
>
> IDL> numbers=[(1/3.)*1000., !pi*10000.]
> IDL> digNo=6
>
> IDL> Print, StrMid(StrTrim(String(Float(numbers)),2),0,digNo+1)
> 333.333 31415.9
>
> Andrea
```

Good idea

first result is:

```
IDL> numbers=[(1/3.)*1000., !pi*10000.]
```

```
IDL> digNo=6
```

```
IDL> x=StrMid(StrTrim(String(Float(numbers)),2),0,digNo+1)
```

```
IDL> fakt=10.0D^ROUND(/L64,ALOG10(numbers ))
```

```
IDL> PRINT,fakt*x/fakt,form='(F20.6)'
```

```
333.333000  
31415.900000
```

thanks

Reimar

--

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<http://www.fz-juelich.de/icg/icg1/>

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a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html

<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>

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