
Subject: Re: IDL strsplit : split a decimal number
Posted by [Ben Panter](#) on Wed, 07 Jul 2004 10:37:26 GMT
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> For example, let's take A = 147.123456789d
> I need to make an 2D integer array called B, containing the two parts
> of A seperated by the dot ... B(0) = 147 and B(1) = 123456789 ... with

<snip>

> Maybe I shouldn't use the STRSPLIT function to do this?

How about not using strsplit?

```
IDL> a=123.45434362d
```

```
IDL> print, floor(a)  
      123
```

```
IDL> print, a-floor(a)  
      0.45434362
```

```
IDL> print, (a-floor(a))*1e8  
      45434362.
```

```
so b[0]=long(floor(a)) and  
b[1]=long((a-floor(a))*1e8)
```

Note - I've used longs rather than ints as the double precision will be larger than the point where ints go round again (~32k).

Ben

Blimey. And to think that a year ago I was worried about the sky falling in with doubles and floats.

--

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My name (no spaces)@bigfoot which is a com.
