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Subject: Re: IDL strsplit : split a decimal number  
Posted by [mwvogel](#) on Wed, 07 Jul 2004 14:57:48 GMT  
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Alternatively, you could use the format syntax

```
IDL> PRINT, '['+STRSPLIT( STRING(DOUBLE(!pi), FORMAT='(D)'), '.',  
/EXTRACT)+']'  
[      3] [1415927410125732]
```

"bru" <[bruno.galand@boost-technologies.com](mailto:bruno.galand@boost-technologies.com)> schreef in bericht  
[news:afdbccba.0407070153.3d45d1a4@posting.google.com](mailto:news:afdbccba.0407070153.3d45d1a4@posting.google.com)...

> Hi,  
>  
> I'm a new IDL user and I have problems using the function STRSPLIT.  
> Actually, I need to split a float number to separate the FLOOR part  
> from the decimal one.  
> For example, let's take A = 147.123456789d  
> I need to make an 2D integer array called B, containing the two parts  
> of A separated by the dot ... B(0) = 147 and B(1) = 123456789 ... with  
> all this accuracy.  
> But writing such thing as:  
>       B = strsplit(a, '.', /extr)  
> is not accurate enough, since it only returns:  
>       B(0) = 147 and B(1) = 12346  
> I thought it was only the 'print' function which returns an  
> approximation of B(1), but if I write B(1)-12346, it returns 0 ... and  
> if I try B(1)-123456789, it returns -123444443  
>  
> Can any one help me with this?  
> Maybe I shouldn't use the STRSPLIT function to do this?  
> Maybe I don't use this function correctly ...  
> Thank you for all remarks.  
> Bruno

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