
Subject: IDL strsplit : split a decimal number

Posted by [bruno.galand](#) on Wed, 07 Jul 2004 09:53:36 GMT

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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:

$B = \text{strsplit}(a, '.', /extr)$

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
