
Subject: Re: Can you do 'unions' with pv-wave?
Posted by [thompson](#) on Tue, 22 Nov 1994 15:22:15 GMT
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jgavin@mksol.dseg.ti.com (Jeffrey S. Gavin) writes:

> Is there a way to have a single variable viewed as multiple types, similar
> to the way unions work in C. For example:

(rest deleted for brevity)

You can always do type conversions on the fly. For example, if you read in a 100 bytes from a file (e.g. into B), and want to treat bytes 20-29 as ten short integers, you can say

```
PRINT, FIX(B,20,10)
```

Where 20 is the starting point in the B array, and 10 is the number of values to extract.

The same is true for the functions BYTE, LONG, FLOAT, DOUBLE, and COMPLEX. If you want to extract strings, then you simply say something like

```
PRINT, STRING(B(30:35))
```

Bill Thompson
