## Subject: SUMMARY: formatted printing of structures Posted by knight on Tue, 28 Jul 1992 20:33:52 GMT

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In an earlier posting (~10 Jul) I considered the inconsistent results of printing elements of a structure. This posting summarizes the results, including a reply from RSI.

The problem is exemplified by the following:

In brief, this behavior will be corrected in the next version (> 2.3.2) so that all three statements produce the same results. The explanation from RSI is the following.

- > When printing a variables, IDL decomposes each structure into its
- > non-structure components, and then prints all of the components
- > according to the format statement or the default formatting.
- > There was a problem with the way IDL decomposed the structure into
- > its components. Instead of treating all the components as part
- > of the same variable, it treated them as separate variables. This
- > caused the first example shown above to produce three separate lines
- > rather than a single line.
- > The IDL routine STRING also uses the same method to deal with variables.
- > so the same problem caused STRING to create a string array of three
- > elements rather than one string. When the elements of the string array
- > are printed they are padded with a single space which explains the output
- > from the second example above. This can be seen clearly by using the
- > following IDL statement:
- > help, string(format='(3f10.2)',t)
- > The problem with the decomposition of structure variables has been fixed.
- > and will be available in the next version of IDL after IDL V 2.3.2.

Thanks to the people who contributed the solution of using the \$ format.

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