Subject: Re: atan in IDL 5.5
Posted by Craig Markwardt on Tue, 04 Jun 2002 16:13:43 GMT
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Zoe Dent <zoe@aurora.york.ac.uk> writes:

- > -----1F130981AB8092C521F2309C
- > Content-Type: text/plain; charset=us-ascii
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- >
- > I'm having problems with the 'atan' function in IDL 5.5. I have a
- > program which reads in an array of complex numbers, so an array of
- > single numbers should be produced, but in fact another complex array os
- > produced. At the command-line the atan of a set of complex numbers
- > produces a single number. I have disabled the multi-threading option
- > with no effect. I'd appreciate any advice on this matter.

Right, I used to rely on this too, but RSI made this change pretty obvious in their release notes, as the others have pointed out. It's a pity since the original ATAN behavior will be faster than the new way to do it. That's why I use the following utility function, ZCOMPARG. I set it and forget it.

Craig

function zcomparg, z