Subject: Re: [Q]: ID analog to FORTRAN "sign" function
Posted by Mark Hadfield on Mon, 09 Oct 2000 21:45:57 GMT
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"Alex Schuster" <alex@pet.mpin-koeln.mpg.de> wrote in message
news:39E1C067.16F7488E@pet.mpin-koeln.mpg.de...
> Rostyslav Pavlichenko wrote:
>
>> Does the IDl have something close to Fortran SIGN (DSIGN... so on...)
>> functions
>> ...
>> result = SIGN (a, b)
>> a (Input) Must be of type integer or real.
>>
>> b Must have the same type and kind parameters as a.
>>
>> Results:
>> =========
>> The result type is the same as a.
>> The value of the result is
>> | a | if b >= zero
>> and -| a | if b < zero.
>> ...
> No, but you can easily write it:
>
> function sign, a, b
> if (b ge 0) then $
> return, abs(a) $
> else $
> return, -abs(a)
> end

The following is more compact and works when b is an array

```
return, abs(a) * (fix(b ge 0) - fix(b lt 0))
```

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