
Subject: Re: Is it possible to speed up the Interpolate command?

Posted by [wlandsman](#) on Fri, 08 Aug 2014 02:52:37 GMT

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On Thursday, August 7, 2014 6:11:29 PM UTC-4, Stephen Messenger wrote:

> I've been stuck on figuring out how to speed up an interpolation calculation and wondered if anyone has any suggestions?

```
> for i=0, numlines-1 do begin
>   Values(*,i)=interpolate(datacube(*,*,i),x_loc,y_loc)
> endfor
```

One suggestion is to replace the above with

```
for i=0,numlines-1 do begin
  values[0,i] = interpolate(data cube[*,*],i,x_loc,y_loc)
endfor
```

https://www.idlcoyote.com/code_tips/asterisk.html

You might also find a slight speed improvement with by writing

```
for i=0,numlines-1 do $
  values[0,i] = interpolate(data cube[*,*],i,x_loc,y_loc)
```

though the improvement will be less than it was in old versions of IDL.
