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Subject: Re: spectral angle mapper algorithm  
Posted by [cjengo](#) on Thu, 17 Jan 2002 12:28:31 GMT  
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peter.kopacz@kodak.com (peter kopacz) wrote in message  
news:<bc66032b.0201160604.c243de5@posting.google.com>...

> Hi  
>  
> I'm trying to access the ENVI-based spectral angle mapper function  
> within IDL. I found the following function call definition:  
>  
> ENVI\_IDENTIFY\_SAM\_SETUP wl ref spec\_lib handles NUM\_SPEC  
>  
> I assume wl represents the wavelength (range??), ref is the input  
> image, and spec\_lib is the .sli file. I'm not sure what handles and  
> NUM\_SPEC are, although the latter is optional (?).  
>  
> Any help would be much appreciated.  
>  
> Pete Kopacz

I thought it was a little odd that ENVI wouldn't programmatically support SAM. I just recoded the process as it's very straightforward, you can find the algorithm in the 'Selected Mapping Methods Using Hyperspectral Data' chapter of the ENVI tutorial.

Chris

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