Subject: Re: Splitting JPEG files into RGB components
Posted by davidf on Tue, 08 Aug 2000 07:00:00 GMT
View Forum Message <> Reply to Message

Dana Purton (dpurton@utas.edu.au) writes:

> I am attempting to read a JPEG file into IDL and then split it into the
> three colour
> components so that each component can be analysed separately. I have
> been
> able to read it in and display it on the screen but am finding it
> difficult to separate it into its red,green,blue components. Is this at
> all possible with JPEG compression, and if so can anyone give me ome
> hints on how to go about it?

Assuming you read the JPEG image into IDL like this:

```
READ_JPEG, myfile, image, True=3
```

You can get the RGB components like this:

```
red = image[*,*,0]
green = image[*,*,1]
blue = image[*,*,2]
```

Here is a case where you *want* that single dimension
to disappear. :-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155