
Subject: Question about defining a structure (in the field of image processing and pattern recognition)

Posted by [Fritz](#) on Wed, 22 Feb 2006 18:47:02 GMT

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Hello group,

In the field of image processing...

Let say that I have an image composed of three bands (red, green and blue).

I want to extract some examples (samples or sub-images) about some classes of interest.

For example, three classes could correspond to three types of cars...

I am drawing 2 samples for class_1, 3 samples for class_2 and 1 sample for class_3.

Finally, I want to save the information in a structure so that I can retrieve the information latter.

I was thinking about something like this:

```
classes[0].samples[1].bands[2]
```

which would give me, for example, the sub-image (band 3) of the sample 2 belonging to class 1.

How to I define the structure ?

Is it a structure in a structure in a structure ?

Note that the number of bands could vary and that sub-images may be of several sizes (columns and rows).

Thanks,
