Subject: Re: Image processing question
Posted by Craig Markwardt on Sat, 18 May 2002 15:51:31 GMT
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rkj@dukebar.crml.uab.edu (R. Kyle Justice) writes:

> How do I convert a color image(.jpg) to grayscale?
>
> I am using PV-Wave's Image_Read function to read the image,
> which stores all the image info in an associative array.
> Do I simply take the maximum RGB intensity value at each
> pixel in the 'pixels' array (xdim,ydim,3)? This gives me
> a grayscale image, but I'm not sure this is the "correct"
> one.

There is no one "correct" conversion from RGB to grayscale, since it depends on the sensitivity response curve of your detector to light as a function of wavelength. A common one in use is:

Y = 0.3*R + 0.59*G + 0.11*B

Craig

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