
Subject: Q: uniq value in an image?

Posted by [htsang](#) on Fri, 29 May 1998 07:00:00 GMT

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I am using this to find the unique values in an image:

```
uniqPixelValue = data(uniq(data, sort(data)))
```

and the sorting part is taking a long time when the image is big.

Just wonder, if anyone out there has any bright idea to do this?

-- Herbert (htsang@mda.ca)

Subject: Re: Q: uniq value in an image?

Posted by [steinhh](#) on Sun, 31 May 1998 07:00:00 GMT

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In article <MPG.fd92945577ce4819897bf@news.frii.com>
davidf@dfanning.com (David Fanning) writes:

David Fanning wrote:

> I I'm too tired tonight to test this, but how about something

> like this:

>

> unique_values = Where(Histogram(image) EQ 1)

> Print, (Histogram(image))[unique_values]

I think (?) Herbert Tsang wants "all distinct values" present in his image, in that case it would mean:

```
min = min(image)
```

```
hist = histogram(image,min=min)
```

```
values = min + where(hist)
```

But of course, this only works if his image consists of integers only. Floating point valued images would be a real mess to do properly! If it does make sense to speak of discrete values from a floating point image, then do convert your image to an integer image in the first place.

Regards,

Stein Vidar
