Subject: Re: how i can detect round bright structures in picture??
Posted by David Fanning on Wed, 15 May 2002 19:02:51 GMT
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Ulf (Ulfer@gmx.de) writes:

> White noise with the image files concerned (naht1.bmp... naht20.bmp)
> acts it thereby around a picture pile of 20 pictures (raw data 615 x
> 416), which comes from a picture recording system, whatever conveys
> apart from the actual picture signal disturbances. Therefore to the
> actual signal white noise (thus with average value 0) as disturbance
> with the picture is returned the delivery. Radiographs of a welding
> seam are shown with those errors in the material structure as bright
> points on dark background to be illustrated. Use now your knowledge
> for picture improvement in such a way that material defects in the
> welding seam (round bright structures in the dark display space) in
> the picture become recognizable. Indicate they the number of
> recognized material defects.
>
>
> what can i use ?? hmmmm i have no real idear..... i tryed median but
> bothing find should i tryed gauss?? so when how ? thx for answer

This sort of reminds me of Pavel, when he first started
posting to the newsgroup. :-)

Humm. Let's see.

Have you tried smoothing, or maybe unsharp masking?

```
IDL> TV, image - Smooth(image, 5)
```

Histogram equalization?

```
IDL> TV, Hist_Equal(image)
```

Some kind of thresholding:

```
IDL> XStretch, image
```

XStretch is one of my programs:

http://www.dfanning.com/programs/xstretch.pro

Cheers,

David

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