Subject: Re: Repost of Vertex question...
Posted by Craig Markwardt on Fri, 29 Jun 2001 14:24:49 GMT
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Struan Gray <struan.gray@sljus.lu.se> writes:

> Craig Markwardt, craigmnet@cow.physics.wisc.edu writes:
>> Brian Koss <bakoss@rainbow.uchicago.edu> writes:
>>>
>>> I have images of polygons connected edge to edge in a
>>> quasiperiodic array, like the one I have attached to this
>>> message... The images are black and white and the edges of
>>> the polygons are distinguisable because they are straight
>>> lines. I would love to be able to use IDL to find the
>>> vertices in this image.
>>
>> Cute. Somehow I don't think this is a program that
>> someone on the newsgroup can knock out in ten minutes.
>
>
> Oh. I don't know.
>
> A quasicrystal will have a limited number of vertex
> orientations, which you can pick out by hand. Simply cut
> out one of each type of vertex into it's own sub-image, do a
> cross correlation between that and the whole image to find
> where that type of vertex occurs, and add up the resulting
> lists for each vertex type.
...

Cool ideas!

Craig

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Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
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