

Re: zernike moments question

Source: <http://sci.tech-archive.net/Archive/sci.image.processing/2008-03/msg00031.html>

- *From:* Adam Chapman <adam.chapman@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sun, 9 Mar 2008 06:42:32 -0700 (PDT)
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On Mar 9, 12:12 am, aruzinsky <aruzin...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

On Mar 8, 10:36 am, Adam Chapman

<adam.chap...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

On Mar 8, 4:31 pm, aruzinsky <aruzin...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

On Mar 8, 8:26 am, Adam Chapman

<adam.chap...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Hi,

I have to calculate the zernike moments
([http://homepages.inf.ed.ac.uk/
rbf/CVonline/LOCAL_COPIES/SHUTLER/node1.html](http://homepages.inf.ed.ac.uk/rbf/CVonline/LOCAL_COPIES/SHUTLER/node1.html))
of an image as a step in
an image processing algorithm.

The problem I have is that you are only
supposed to make the zernike
moment from the region where $x^2+y^2 \leq 1$.
This suggests that I have to
compress my pixel grid to fit in a circular
shape with an edge radius
of 1.

Re: zernike moments question

Am i correct?

Adam

What "image processing algorithm?"

Im inputting the zernike moments into a neural net for character recognition.– Hide quoted text –

– Show quoted text –

I have no experience with this, but, it seems to me that the background of a character may as well be made up. If you isolate the character, you can put it against an artificial black background and draw a circle around it any way you want. A zero luminance background won't contribute to a moment.– Hide quoted text –

– Show quoted text –

Yes I am using a binary image (1 for pixels belonging to the letter, black otherwise). Thanks for the help

Adam

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