Subject: Re: Variance in sub-sections?
Posted by Jaco van Gorkom on Mon, 18 Feb 2002 14:04:23 GMT
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- "Joshua Nipper" <nipperjc@ufl.edu> wrote in message news:a4jph3\$qdi\$1@spnode25.nerdc.ufl.edu...
- > I have a 512x512 image, and I would like to calculate the mean/variance in a
- > 3x3 neighborhood around every pixel. What would be the easiest way to do
- > this w/out for loops?

Martin Downing once posted a nifty routine IMAGE\_VARIANCE to the group. Look up a thread called "efficient kernel or masking algorithm? UPDATE" on Google.

http://groups.google.com/groups?hl=en&q=variance+kernel& amp;meta=group%3Dcomp.lang.idl-pvwave

Things should then be as simple as variance = IMAGE\_VARIANCE(image, 1, MEAN=mean).

Jaco

PS: I posted without thinking too much on Friday, in response to your Kuwahara filter post. The variance I suggested was calculated with respect to a 'sliding' mean value, and probably not a very good choice for this kuwahara thingie.