Subject: speed up image processing
Posted by Klemen on Thu, 23 Jul 2009 12:53:35 GMT
View Forum Message <> Reply to Message

Hi, I quite new to IDL, I know its basics, and I have recently found
out that using the right approach can significant speed up the
processing. My problem is, I have a 2D array and I would like to
compute a minimum and some additional stuff for each input image pixel
from the predefined vector that stretches out of each pixel.
Currently, I use simply 2 for loops. Is there a way to do this faster
- removing for loops?

Thank you, Klemen

```
vector_indx = [ncols+1, 2*ncols+2, 3*ncols+3]

for j = 0,nrows do begin
  for i = 0,ncols do begin
    x = image(i,j)        ;read the current pixel data
    indx = j*ncols + i  ;convert to 1D index
    image_out(i,j) = min(image[vector_indx+indx])
    ...
  endfor
endfor
```