
Subject: help - speeding up a loop
Posted by [natha](#) on Mon, 11 Jan 2016 17:29:37 GMT
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Hi guys,

I am trying to implement a circular smooth on an irregular x, y grid.
The following loop takes too much time. How do you think I could make it faster?

```
for i=0L, n_rang-1 do for j=0L, n_azim-1 do begin

  distkm=sqrt((xx-xx[i,j])^2. + (yy-yy[i,j])^2.)

  ww=where(distkm lt 5.,nn_w)
  if nn_w gt 0 then data_res[i,j]=total(data[ww]) / nn_w

endfor
```

Thank you for your help,
natha
