
Subject: Re: help on optimization

Posted by [Wout De Nolf](#) on Thu, 23 Jun 2011 12:47:46 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Thu, 23 Jun 2011 14:44:06 +0200, Wox <spam@nomail.com> wrote:

```
> xgaspos=file_gaspos[0,*]
> ygaspos=file_gaspos[1,*]
>
> for i=0,nhalos do begin
>   ;Distance of particles to the halo
>   dis2=(xrand[i]-xgaspos)^2+(yrand[i]-ygaspos)^2
>
>   ;histogram distances within 10Mpc
>   hist =histogram(dis2[ind_gas],binsize=bin_mpc,$
>     max=10000,reverse_indices=ri)
>
>   gasmass=file_gasmass[ind_gas]
>   for ll=0,n_elements(hist)-1 do $
>     if ri[ll] eq ri[ll+1] then gasm[ll]=0 $
>     else gasm[ll]=total(gasmass[ ri[ ri[ll]:ri[ll+1]-1 ] ])
>
>   ymin_r_gas+=total(gasm,/cumul,/pres) ; Sigma(<r)
>   yplot_gas+=gasm ; Sigma(r)
> endfor
```

This should be removed of course:

```
gasmass=file_gasmass[ind_gas]
```
