
Subject: Q: about Richardson_Lucy Alg. (deconvolution)
Posted by [Herbert H. Tsang](#) on Thu, 15 Jul 1999 07:00:00 GMT
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Anyone is familiar w/ the Richardson_Lucy Deconvolution alg.? I have found a IDL program (lucy_guess.pro) that claims to perform this deconvolution.

However, when examining the code I am not quite sure if it is correct. in lucy_guess.pro line 89 it has this loop

```
for k=0,n_iter do begin
  weight = convol(old,psfr)
  new    = old * convol( (data/weight) ,psf)
  old    = new
endfor
```

but shouldn't it be

```
for k=0,n_iter do begin
  weight = convol(old,psfr,/edge_truncate)
  new    = old * correlate( (data/weight) ,psf)
  old    = new
endfor
```

Any idea??

-- Herbert

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