Subject: help on avoiding a FOR loop
Posted by hldevil on Mon, 18 Jan 2010 14:45:17 GMT
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Hi there,

maybe someone can help me on avoiding this FOR loop:

```
ha=histogram(myBin.event, binSize=1, reverse_indices=r_acc, min=0)

FOR i=0L, n_elements(ha)-1 DO BEGIN
      IF (ha[i] ne 0) THEN BEGIN
  idx=reverse_indices(ha, r_acc, i)
          myBin2[idx].energy=total(myBin[idx].energy, /CUMULATIVE)/
total(myBin[idx].energy)
 ENDIF
ENDFOR
```

To explain: I have a dataset, which contains multiple energy entries which can be linked to individual events. The energies should be comulatively summed for each event. Each event spreads over roughly 10-100 energy entries and I am looping in excess of 1 Mio. events. For all what I know this is "sub-optimal" in IDL, since I'm actually doing very little processing in each loop-iteration.

Cheers and thanks in advance,

Steffen