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Subject: Loop breaks IDL

Posted by [mbweller](#) on Sat, 23 Aug 2008 03:23:48 GMT

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I beginning to feel like I'm inundating this board :)

Is this the best way to do this, I 'm beginning to think not since IDL (in windows) starts to use up all my cpu cycles for more than 10 minutes.

```
-----  
ind_e= where (array[1,*] eq 2,count)  
if count eq 0 then tl_small=0 else ext=array[* ,ind_e]  
while count gt 0 do begin  
  ext_ = where(ext[2,*] lt 2*x1) ; select faults such that L < 2x  
  ext_small = ext[* ,ext_] ; place in matrice with identifier  
  lc_small= ext_small[2,*] ; select only lengths to sum for  
  small faults  
  tl_small = total(lc_small^3) ; sum lengths according to  
  kostrov summation, small faults  
endwhile  
-----  
-----
```

Essentially there are 2 divisions, column 2 (with values of 1 or 2) and fault size (large or small) of the data.

In case it's not obvious, the first two lines are saying that if there is no data then `tl_small = 0`. If however, there is data do everything below it to get some non 0 value of `tl_small`.

It seems like IDL just hangs up on the loop. Maybe this has something to do with the embedded where statements?

As always thanks in advance and any help would be appreciated

~Matt.

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