Subject: structures?
Posted by Seb on Thu, 05 Sep 2013 15:26:30 GMT
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Hi,

I'm trying to avoid cumbersome loops, and think that using structure arrays or pointers, along with index handling, should help. Say we want to build a table of data for each day in a sequence of julian days. The rows in the table for each day represent a unique time of that day. Now we want to examine a collection of files containing data for a particular date/time, and assign each row to the corresponding row in the table for that day. I envision doing this as follows:

```
n_days=10
a_arr=replicate({idxvar:0.0, table:fltarr(10, 10)}, n_days)
```

where idxvar represents a julian day, and the table contains the time series for that day. We could then loop through each file, examining each row and determining which day and which table row in a_arr the row belongs to. Is there a better way to approach this? My concern is that the tables for each day could be very large if the time step in the time series is very small (say a second), and also there could be a large number of days to build time series for. Is this one of those cases where looping, while horrible, is a more resource-friendly way to deal with this?

Thanks,

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Seb