Subject: Re: Mode and variation of cells in multiple grids (3-D problem)
Posted by MarioIncandenza on Tue, 26 Jan 2010 00:49:26 GMT
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On Jan 25, 12:47 pm, Ed Hyer <ejh...@gmail.com> wrote:
> 1) The number of different values in the matched grids;
> 2) The mode, that is, the frequency of the most common value.

So, what I ended up with was something like this:

```
allgrids=[[[grid1]],[[grid2]],etc.]
matchcount=allgrids *0b; initialize
for i1=0,ngrids-1 do for i2=0,ngrids-1 do matchcount[*,*,i1] +=
(allgrids[*,*,i1] eq allgrids[*,*,i2])
magnitude_of_mode = max(matchcount,dim=3,imode)
value_of_mode = allgrids[imode]
```

So 2 for-loops still needed, but across the shortest dimension.

--Edward H.