

---

Subject: Collection of different sized arrays  
Posted by [robintw](#) on Sun, 17 Jan 2010 12:37:38 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

I have a suspicion that this question may have been asked before, but I can't seem to find the answer in the archives of this group. Possibly I'm not searching using the right keywords...

Basically, I need to keep a collection of different sized arrays. I am writing an image segmentation routine, which will take an image and split it into segments. I need to keep track of which pixels in the image are in each segment. My thought is that I'll have an array for each segment which will contain the indices of the pixels within that segment. However, I can't work out how to store this collection of arrays in IDL, as each array will be a different length, and I won't know the number of segments or the lengths of the arrays at compile-time. Also, to add to the fun, the pixels in each segment are likely to change during the segmentation process...

I have a suspicion the answer may involve pointers, or objects (possibly?) or something like that, but I'm not really sure.

Any ideas would be much appreciated,

Thanks,

Robin Wilson  
University of Southampton, UK

---