Subject: Re: Relative distances between vector elements and search for matches in other vector.
Posted by cgguido on Thu, 26 Apr 2012 21:30:44 GMT
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Trifon, you're most welcome.

If you can estimate the max possible size of your result (even if you overestimate it by a lot) I would do:

selected_dep=fltarr(1e4)*0-1
;this creates a huge array with "impossible values" -1.
Then you fill it as you go with real values, And at the end just do:
selected_dep = selected_dep[where(selected_dep NE -1)]
This is usually much faster!

In general, I am still confused about what you are trying to do. Could you give a simple example of input and output? Something like:

;inputs:
r1=[1,3,3,4,5]
r2=[2,-1,4,3]

;outputs:
3,4

Don't bother with technical (geological) terms, they just confuse non-specialists. Just give us the simple examples and we'll see if we can speed this up for you a bit.

Gianguido