
Subject: Re: sorting column arrays

Posted by [cgguido](#) on Fri, 30 Jun 2006 16:15:19 GMT

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> The last line makes the sort in one go, since SORT doesn't guarantee
> anything about the order of identical elements. You might have to
> adjust the coefficients if your data has a wider range than the sample
> you show.

sort does indeed tend to jumble things up a little, but bsort does the
job right:

<http://www.dfanning.com/tips/sort.html>.

also, something like this should work....

```
IDL> d = $
IDL> [[4, 7, 0, 1], $
IDL> [3, 6, 2, 9], $
IDL> [2, 2, 0, 2], $
IDL> [42, 4, 2, 7], $
IDL> [256, 3, 0, 2], $
IDL> [34, 2, 1, 5]]
IDL>
IDL> s1 = bsort(d[1, *])
IDL> s2 = bsort(d[3, s1])
IDL> s3 = bsort(d[2, s1[s2]])
IDL> sd = d[*, s1[s2[s3]]]
IDL>
IDL> print, d, 'sorted by columns 2>3>1', sd
  4    7    0    1
  3    6    2    9
  2    2    0    2
 42    4    2    7
256    3    0    2
 34    2    1    5
sorted by columns 2>3>1
  4    7    0    1
  2    2    0    2
256    3    0    2
 34    2    1    5
 42    4    2    7
  3    6    2    9
```

Gianguido
