
Subject: Re: sorting array column/rowwise
Posted by [David Fanning](#) on Thu, 04 Jul 2002 13:42:44 GMT
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Marc Schellens (m_schellens@hotmail.com) writes:

> but I wanted to sort each column individually.
> Any guesses?

Here is how I would sort a column of an array.
But I think I would use the BSORT routine,
rather than the SORT routine if I was putting
it into a piece of code that mattered to me.

```
IDL> a=randomu(-3L, 3, 10)
IDL> print, a
  0.897916   0.558249   0.766930
  0.589101   0.0603181  0.973112
  0.0378892  0.218058   0.142394
  0.984703   0.894904   0.947651
  0.804079   0.160385   0.208246
  0.818130   0.103716   0.741117
  0.0134482  0.0960160   0.692969
  0.0230946  0.181693   0.0777949
  0.269231   0.286594   0.730963
  0.727624   0.272199   0.481930
```

```
IDL> s1 = sort(a[1,*])
IDL> a[1,*] = (a[1,*])[s1]
IDL> print, a
  0.897916   0.0603181  0.766930
  0.589101   0.0960160  0.973112
  0.0378892  0.103716   0.142394
  0.984703   0.160385   0.947651
  0.804079   0.181693   0.208246
  0.818130   0.218058   0.741117
  0.0134482  0.272199   0.692969
  0.0230946  0.286594   0.0777949
  0.269231   0.558249   0.730963
  0.727624   0.894904   0.481930
```

I expect that if I spent five more minutes on this
I could probably write a generalized program
that would sort on any column. :-)

Cheers,

David

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