
Subject: Array sorting by row

Posted by [humphreymurray](#) on Thu, 17 Aug 2006 08:47:31 GMT

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Hi,

In IDL, is there a way to independly sort the columns of a 2d matrix without looping through and sorting each row individually?

Currently I'm using:

```
for x = long(0), x_size - 1 do begin
  sorted_indexes[0,x] = sort(matrix[*],x)
endfor
```

For example, if the matrix contained the following values:

```
4 2 0 5
9 0 1 5
0 4 2 1
1 2 3 4
```

I want the result matrix to contain index's like:

```
2 1 0 3
1 2 3 0
0 3 2 1
0 1 2 3
```

Here, each column is sorted as if it's an independant vector.

Cheers.
