Subject: Re: about MIN of 2D array Posted by mchinand on Mon, 28 Oct 2002 21:58:57 GMT View Forum Message <> Reply to Message

In article <apk9t5\$6pr\$1@dipsy.missouri.edu>, Julia <julia65201@yahoo.com> wrote: > hi, there, > I have a queation about MIN. > If I have a 2-dimension array, I want to get the value and position of > minimum on each row. Is there a function in IDL can do this? > > Since for loop is not time efficient, so it is not suggested here. > Any suggestion will be apprecaited. > Regards, > Julia In IDL 5.5 you can do: min_row=min(array,index,dimension=1) min row will contain the min of each row and index will give the index of the min. The index value will be from 0 to number of elements in the array. If you want the column number that contains the minimum value for each row you can use: row_index= index mod n_cols where n_cols is the number of columns in your array. Hope that helps, --Mike Michael Chinander m-chinander@uchicago.edu

Department of Radiology University of Chicago

Subject: Re: about MIN of 2D array Posted by Julia on Tue, 29 Oct 2002 00:20:23 GMT

View Forum Message <> Reply to Message

Thank you so much. It works!!! Besides, can it be done in IDL5.4? Regards, Julia "Mike Chinander" <mchinand@midway.uchicago.edu> wrote in message news:Bqiv9.43\$P4.10093@news.uchicago.edu... > In article <apk9t5\$6pr\$1@dipsy.missouri.edu>, > Julia <julia65201@yahoo.com> wrote: >> hi, there, >> >> I have a queation about MIN. >> If I have a 2-dimension array, I want to get the value and position of >> minimum on each row. Is there a function in IDL can do this? >> Since for loop is not time efficient, so it is not suggested here. >> >> Any suggestion will be apprecaited. >> >> Regards, >> Julia >> >> > In IDL 5.5 you can do: > > min row=min(array,index,dimension=1) > min_row will contain the min of each row and index will give the index of > the min. The index value will be from 0 to number of elements in the > array. If you want the column number that contains the minimum value for each row you can use: > > > row index= index mod n cols where n cols is the number of columns in your array. > Hope that helps, >

> --Mike

- > >
- > --
- > Michael Chinander
- m-chinander@uchicago.eduDepartment of RadiologyUniversity of Chicago