
Subject: Add a colorbar in a filled contour

Posted by duxiyu@gmail.com on Wed, 25 Jun 2008 09:01:46 GMT

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Dear all,

I am using D Fanning's colorbar routine.

But I have some questions about the corresponding value for each color.

For example,

```
A=DIS(31,41)
DEVICE, DECOMPOSED=0
LOADCT, 5, NCOLORS=100
CONTOUR, A, POSITION=[0.15, 0.15, 0.95, 0.75], $
  C_COLORS=INDGEN(100), NLEVELS=100, /FILLI
```

For $\min(A)=0$ and $\max(A)=25$, the color with index '0' should present the value '0' and the color with index '99' should present the value '25'.

Therefore, when I use the COLORBAR routine, the keywords RANGE should be given.

```
COLORBAR, NCOLORS=100, POSITION=[0.15, 0.85, 0.95, 0.90],
RANGE=[min(A), max(A)]
Is it right?
```

If the minimum or maximum of the array has a floating-point value like 3.24, is the above command to add the colorbas still right?

Best regards,
Du Jian
