Subject: interpolation!
Posted by hwang on Wed, 21 Jan 1998 08:00:00 GMT
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I want to use bilinear to interpolate.
I have the values of five points:
(x1,y1,t1),(x2,y2,t2),(x3,y3,t3),(x4,y4,t4),(x5,y5,t5).

Suppose t is the function of x and y:t=t(x,y).

Now I want to know the value of t at the given point(x,y).How can I use bilinear routine to interpolate?

According to the manual,the bilinear need three arguments:
bilinear(p,ix,jy)
P is a 2 dimensional array.
Ix and jy are "virtual subscripts" of p.

If p is 2 dimension,how can I feed in the values of (x1,y1,z1)...?
What is the meaning of "virtual subscripts"?

There is another method.If I suppose the general form of bilinear function:t=ax+by+cxy+d.I can get the coefficents(a,b,c,d) using some routines,but?????