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


































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R plot function examples

R Plot PCH Symbols Chart

Following is a chart of PCH symbols used in R plot. When the PCH is 21-25, the parameter "col=" and "bg=" should be specified. PCH can also be in characters, such as "#", "%", "A", "a", and the character will be plotted.

0: 	10: 	20: 	A: 
1: 	11: 	21: 	a: 
2: 	12: 	22: 	B: 
3: 	13: 	23: 	b: 
4: 	14: 	24: 	S: 
5: 	15: 	25: 	`: 
6: 	16: 	@: 	.: 
7: 	17: 	+: 	,: 
8: 	18: 	?: 	?: 
9: 	19: 	#: 	*: 

Values pch=26:32 are currently unused, and pch=32:255 give the text symbol in a single-byte locale. In a multi-byte locale such as UTF-8, numeric values of pch greater than or equal to 32 specify a Unicode code point. If pch is an integer or character NA or an empty character string, the point is omitted from the plot. Value pch="." is handled specially. It is a rectangle of side 0.01 inch (scaled by cex). In addition, if cex = 1 (the default), each side is at least one pixel (1/72 inch on the pdf, postscript and xfig devices).

pch=0,square  
pch=1,circle  
pch=2,triangle point up

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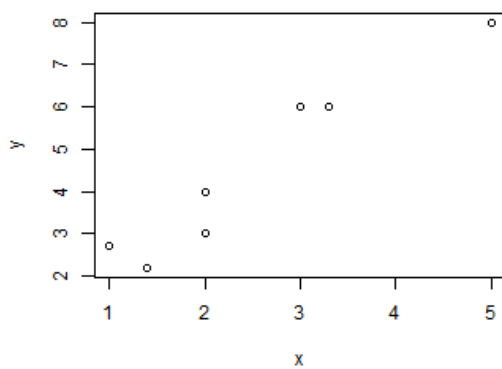
pch=3,plus  
 pch=4,cross  
 pch=5,diamond  
 pch=6,triangle point down  
 pch=7,square cross  
 pch=8,star  
 pch=9,diamond plus  
 pch=10,circle plus  
 pch=11,triangles up and down  
 pch=12,square plus  
 pch=13,circle cross  
 pch=14,square and triangle down  
 pch=15, filled square blue  
 pch=16, filled circle blue  
 pch=17, filled triangle point up blue  
 pch=18, filled diamond blue  
 pch=19,solid circle blue  
 pch=20,bullet (smaller circle)  
 pch=21, filled circle red  
 pch=22, filled square red  
 pch=23, filled diamond red  
 pch=24, filled triangle point up red  
 pch=25, filled triangle point down red

By default, **pch=1** if not specified, and in black color:

```

>x <- c(2,1,3,2,5,3.3,1.4);
>y <- c(4,2.7,6,3,8,6,2.2);
>plot(x,y)

```



**cex** controls the symbol size in the plot, default is **cex=1**,  
**col** controls the color of the symbol border, default is **col="black"**.

Plot with specified PCH, Color and Size:

```

>plot(x,y,pch=2,cex=4,col="red")

```

