LINE STYLE

dotted, every mark/.append style={solid}

2

The following	line style	s are predefined	in $TikZ$.

/tikz/solid	(style, no value)
/tikz/dotted	(style, no value)
/tikz/densely dotted	(style, no value)
/tikz/loosely dotted	(style, no value)
/tikz/dashed	(style, no value)
/tikz/densely dashed	(style, no value)
/tikz/loosely dashed	(style, no value)
/tikz/dashdotted	(style, no value)
/tikz/densely dashdotted	(style, no value)
/tikz/loosely dashdotted	(style, no value)
/tikz/dashdotdotted	(style, no value)
/tikz/densely dashdotdotted	(style, no value)
/tikz/loosely dashdotdotted	(style, no value)

4 Parameters

4.1 Line width

PGFmanual section: 15-3-1

$ ext{tikz } \operatorname{draw[line width=.2cm]} (0,0) (1,1);$				
[line width=.2cm]	[ultra thin]	[very thin]	[thin]	
	(0.1pt)	(0.2pt)	(0.4pt)	
[semithick]	[thick]	[very thick]	[ultra thick]	
(0.6 pt)	(0.8pt)	(1.2pt)	(1.6pt)	

4.2 Dimensions available

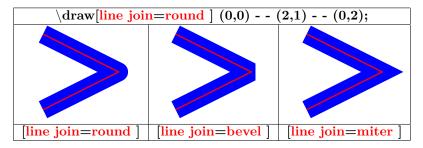
		$\label{eq:draw} $$ \draw[line width=10pt] (2,0) to (2,1); $$$
		$\label{eq:draw} $$ \displaystyle \dim [\dim \ \ \ \ \ \ \ \ \ \ \ \] (2,0) to (2,1);$
		$\draw[line width=10mm]$ (2,0) to (2,1);
		$\draw[line width=1cm]$ (2,0) to (2,1);
		$\label{eq:draw} $$ \draw[line width=1in] (2,0) to (2,1); $$$

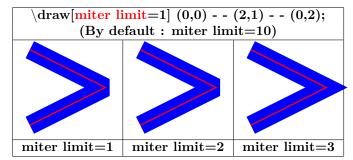
	$\draw[line width=1ex] (0,0.5) to (4,.5);$
X	$\label{eq:huge_draw} $$ \coprod_{c} \operatorname{draw[line\ width=1ex]} (0,0.5)$ to (4,.5);$
m	$\draw[line width=1em] (2,0) to (2,1);$
m	$\label{eq:huge_draw} $$ \Huge \draw[line width=1em] (2,0) to (2,1);$

4.3 Terminators

[line cap=rect]	[line cap=butt]	[line cap=round]

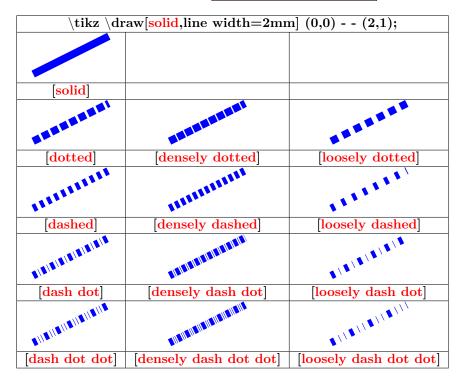
4.4 Lines junction

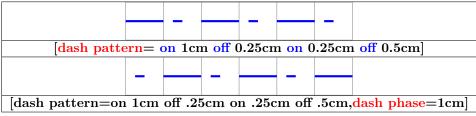




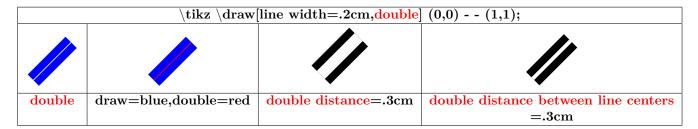
4.5 Line styles

PGFmanual section: 15-3-2





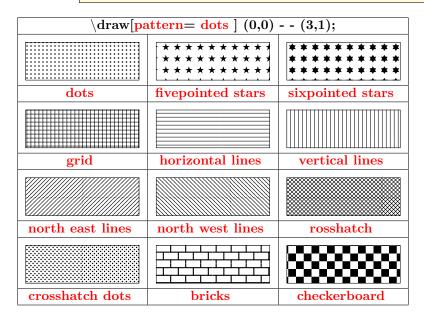
PGFmanual section: 15-3-4



$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $				
	=			
$ackslash \mathbf{Huge}$	$\setminus \mathbf{large}$			

4.6 Fillings

PGFmanual section: 15-5-1 PGFmanual section: 60

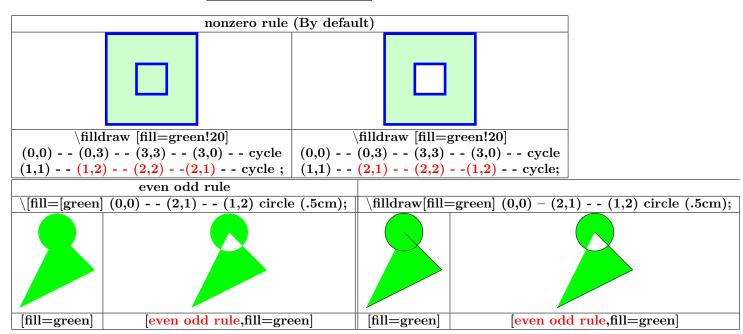




\draw[pattern=checkerboard light gray] (0,0) ((3,2);				
checkerboard light gray	horizontal lines light gray	horizontal lines gray		
horizontal lines dark gray	horizontal lines light blue	horizontal lines dark blue		
crosshatch dots gray	crosshatch dots light steel blue			

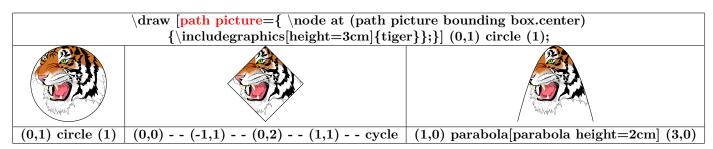
4.7 Filling rule

PGFmanual section: 15-5-2



4.8 Filling with an image

PGFmanual section: 15-6

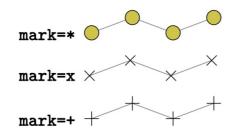


POINT STYLE

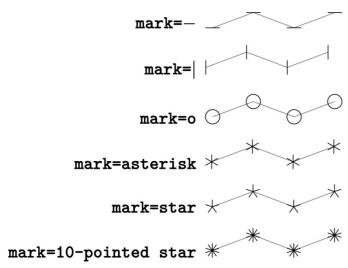
旋转 every mark/.append style={rotate=90} 大小 mark size=4pt

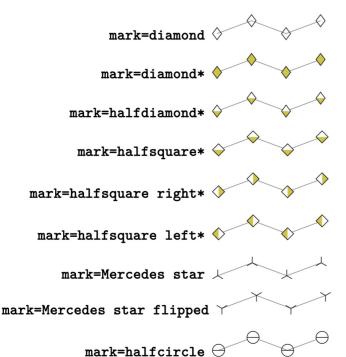


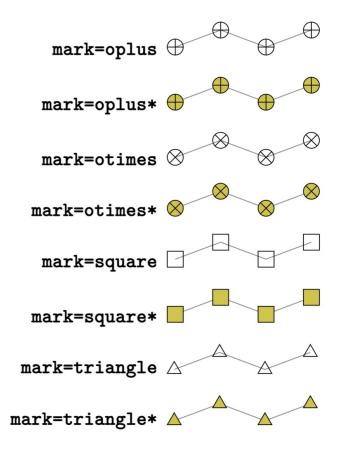
This list is copied from [7, Section 29]:



And with \usetikzlibrary{plotmarks}:



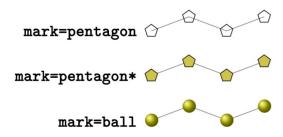




One half is filled with white (more precisely, with mark color).



One half is filled with white (more precisely, with mark color) and the other half is filled with the actual fill color.



This marker is special and can easily generate big output files if there are lots of them. It is also special in that it needs ball color to be set (in our case, it is ball color=yellow!80!black.

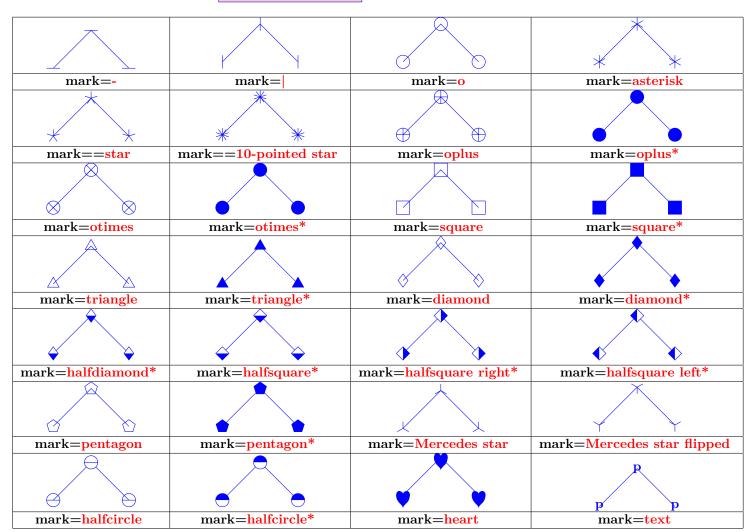


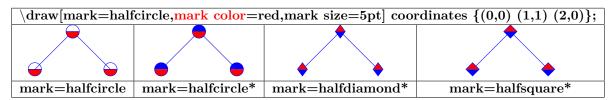
This marker is special as it can be configured freely. The character (or even text) used is configured by a set of variables, see below.

22.2.3 Marks with plotmarks library

Load package : \usetikzlibrary{plotmarks}

PGFmanual section: 63





22.3 Graph with Gnuplot

\draw[color=red] plot[id=sin] function{sin(x)};

==> plot[id=sin] create the file "sin.gnuplot"
==> Open the file "sin.gnuplot" with the program gnuplot: creation of the file "sin.table"
==> Use the datafile "sin.table"