

Scilab - wykresy

Wykres liniowy

```
x = [0:0.01:2*pi];
y = sin(x);
z = cos(x);
plot(x,y,'LineWidth',3)
plot(x,z,'r','LineWidth',3)
xgrid
xlabel('x')
ylabel('sin(x), cos(x)')
title('Plot of sin(x) and cos(x)')
legend('sin(x)', 'cos(x)', 3)
```

```
clf
x = [-2:0.01:2];
y = x**3
plot(x,y,'k-.')
xgrid
xlabel('x')
ylabel('y')
title('Wykres funkcji szesciennej')
legend('x^3', -4)
```

Kolory lini

Specifier	Color
r	Red
g	Green
b	Blue
c	Cyan
m	Magenta
y	Yellow
k	Black
w	White

Style lini

Specifier	Line Style
-	Solid line (default)
--	Dashed line
:	Dotted line
-.	Dash-dotted line

Pozycje legendy

- 1 or "in_upper_right": the legend is located in the upper right corner of the plot area.
- 2 or "in_upper_left": the legend is located in the upper left corner of the plot area.
- 3 or "in_lower_left": the legend is located in the lower left corner of the plot area.
- 4 or "in_lower_right": the legend is located in the lower right corner of the plot area.
- 5 or "by_coordinates": the legend is located at the coordinates specified in the legend function.
- 1 or "out_upper_right": the legend is located in the upper right corner of the figure window.
- 2 or "out_upper_left": the legend is located in the upper left corner of the figure window.
- 3 or "out_lower_left": the legend is located in the lower left corner of the figure window.
- 4 or "out_lower_right": the legend is located in the lower right corner of the figure window.
- 5 or "upper_caption": the legend is located above the plot area.
- 6 or "lower_caption": the legend is located below the plot area.

Wykres słupkowy

```
clf
y=[1 -3 5];
bar(y,'g');
```

```
clf
x=[3,4,5,6]
y=[1 -3 5 5];
bar(x,y);
```

```
x=[1 2 4];
y=[1 -5 6;3 -2 7;4 -3 8];
bar(x,y);
```

```
x=[1 2 4];
y=[1 -5 6;3 -2 7;4 -3 8]
bar(x,y)
xgrid
xlabel("Etykieta osi poziomej")
ylabel("Etykieta osi pionowej")
title("Tytuł wykresu")
legend("A", "B", "C", 2)
```

```
clf
x=[1 2 5];
y=[1 4 7;2 5 8;3 6 9];
bar(x,y,'stacked');
xgrid
xlabel("Etykieta osi poziomej")
ylabel("Etykieta osi pionowej")
title("Tytuł wykresu")
legend("A", "B", "C", 2)
```

Wykres kołowy

```
clf
pie([1 2 5]);
```

```
clf
pie([5 9 4 6 3],[0 1 0 1 0]);
title("Tytuł wykresu")
legend("A", "B", "C", "D", 4)
```

```
clf
pie([3 4 6 2],[0 1 0 0],["A", "B", "C", "D"]);
```