MATLAB programming course for beginners, supported by Wagatsuma Lab@Kyutech

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Specifications and requirements

1. @Time : 2021-5-19
2. @Author : Hiroaki Wagatsuma
3. @Site : (1) https://github.com/hirowgit/1B0_matla_optmization_course
4. @Site : (2) https://github.com/hirowgit/1B1_matlab_signal_analysis_course
5. @IDE : MATLAB R2018a
6. @File : (1) TSP_lecture1.m
7. @File : (2) lec1D_A1_SimplePlot_Normal.m

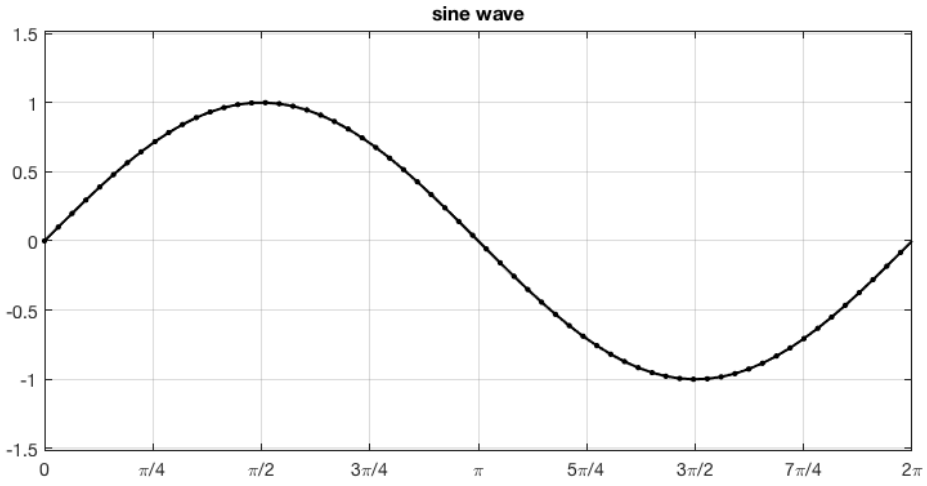
Main program

clear all sin wave

```
close all
```

```
figure(1); clf
set(1,'name','sine_wave1','Position',[720   820   870   400]);
dT=0.1;

t=0:dT:2*pi+dT;
y=sin(t);

plot(t,y,'k.-','LineWidth',2,'MarkerSize',12);
set(gca,'xlim',[0,2*pi],'ylim',[-1.2,1.2],'FontSize',14);

xtickpoint=0:pi/4:2*pi;
xlabel={'0','\pi/4','\pi/2','3\pi/4','\pi','5\pi/4','3\pi/2','7\pi/4','2\pi'};
set(gca,'xtick',xtickpoint,'xticklabel',xlabel)
title('sine wave');
grid on;
axis equal;

datafname='m_figures';
save_fig;
```

```
Warning: The figure is too large for the page and will be cut off.
 Resize the
figure, adjust the output size by setting the figure's PaperPosition
 property,
use the 'print' command with either the  '-bestfit' or '-fillpage'
 options, or
use the 'Best fit' or 'Fill page' options on the 'Print Preview'
 window.
```



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