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

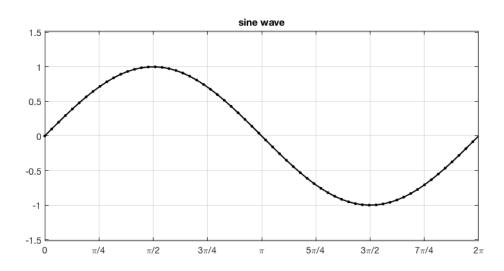
Main program

clear all sin wave

close all

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```
figure(1); clf
set(1, 'name', 'sine wavel', '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','3pi/4','pi','5pi/4','3pi/2','7pi/4','2pi'\};
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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