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

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## Specifications and requirements

1. @Time : 2014-08-09
2. @Author : Hiroaki Wagatsuma
3. @Site : [https://github.com/hirowgit/1B1\\_matlab\\_signal\\_analysis\\_course](https://github.com/hirowgit/1B1_matlab_signal_analysis_course)
4. @IDE : MATLAB R2018a
5. @File : save\_fig.m

## Sub program

```
folder_name=strsplit(datafname, '.');  
if ~exist(folder_name{1}, 'dir'); mkdir(folder_name{1}); end  
curdir=pwd;  
cd(folder_name{1});  
  
hfig=findobj('Type', 'figure');  
for i=1:length(hfig)
```

```
sname=get(hfig(i),'name'); s2name = regexp(sname,'[A-Za-z0-9()]+','match');  
if isempty(s2name) fnlname=['fig_',num2str(hfig(i))]; else  
fnlname='fig'; end  
fnlname=[fnlname,'_',folder_name{1}];  
for j=1:length(s2name)  
    fnlname=[fnlname,'_',s2name{j}];  
end  
figure(hfig(i));  
saveas(gcf,fnlname,'fig');  
saveas(gcf,fnlname,'pdf');  
%     saveas(gcf,fnlname,'ai');  
saveas(gcf,fnlname,'eps');  
saveas(gcf,fnlname,'jpg');  
saveas(gcf,fnlname,'png');  
end  
cd(curdir);
```

Unrecognized function or variable 'datafname'.

Error in save\_fig (line 34)  
folder\_name=strsplit(datafname,'.');

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