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## c4\_pa\_data\_vizualization.m

```
%{  
Description:  
    This script explores the PA data in pa_data.mat and plots the AM-AM  
    and  
    AM-PM characteristics.  
  
Input:  
    - pa_data.mat  
%}  
clc; clear; close all;  
tic
```

## Functions folder

```
current_folder = fileparts(mfilename('fullpath'));  
root_folder = fileparts(current_folder);  
functions_folder = fullfile(root_folder, 'f0_functions');  
addpath(functions_folder);
```

## Import data

```
pa_data_file = fullfile(current_folder, 'pa_data.mat');  
load(pa_data_file);
```

## Plot

```
plot_amam(signal_1_in, signal_1_out);  
plot_ampm(signal_1_in, signal_1_out);  
  
plot_amam(signal_2_in, signal_2_out);  
plot_ampm(signal_2_in, signal_2_out);  
  
toc  
  
Elapsed time is 0.332809 seconds.
```





