
Table of Contents

c4_pa_data_vizualization.m	1
Functions folder	1
Import data	1
Plot	1

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);
```

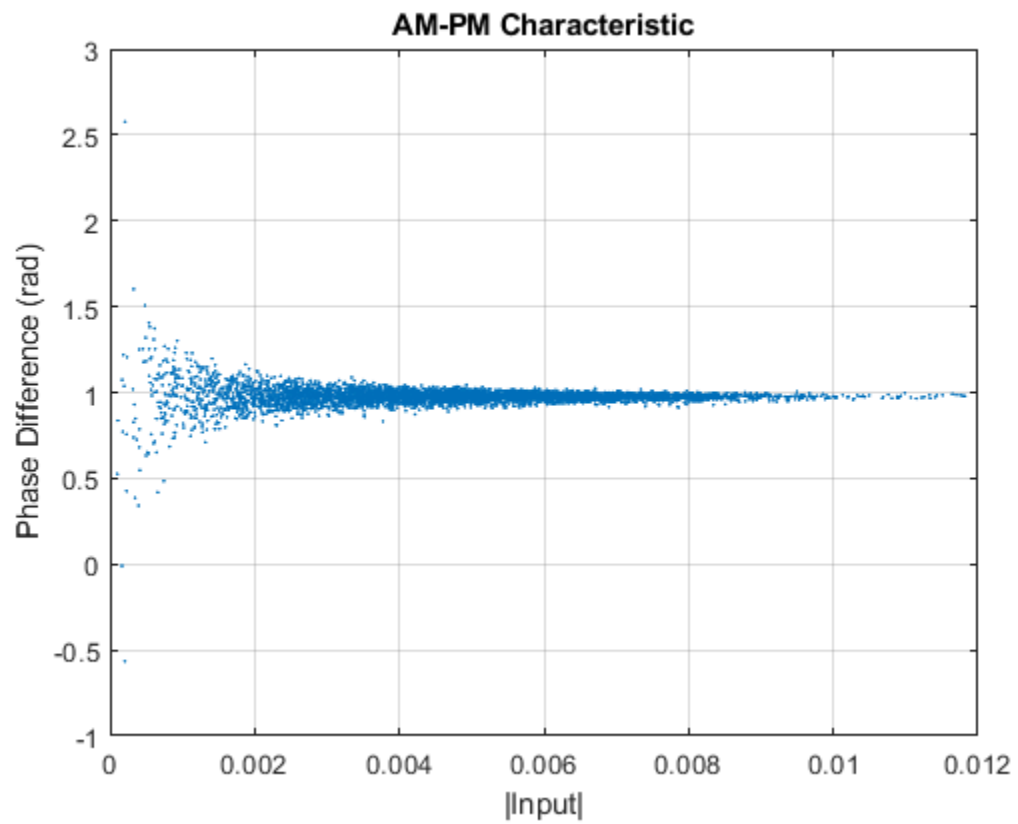
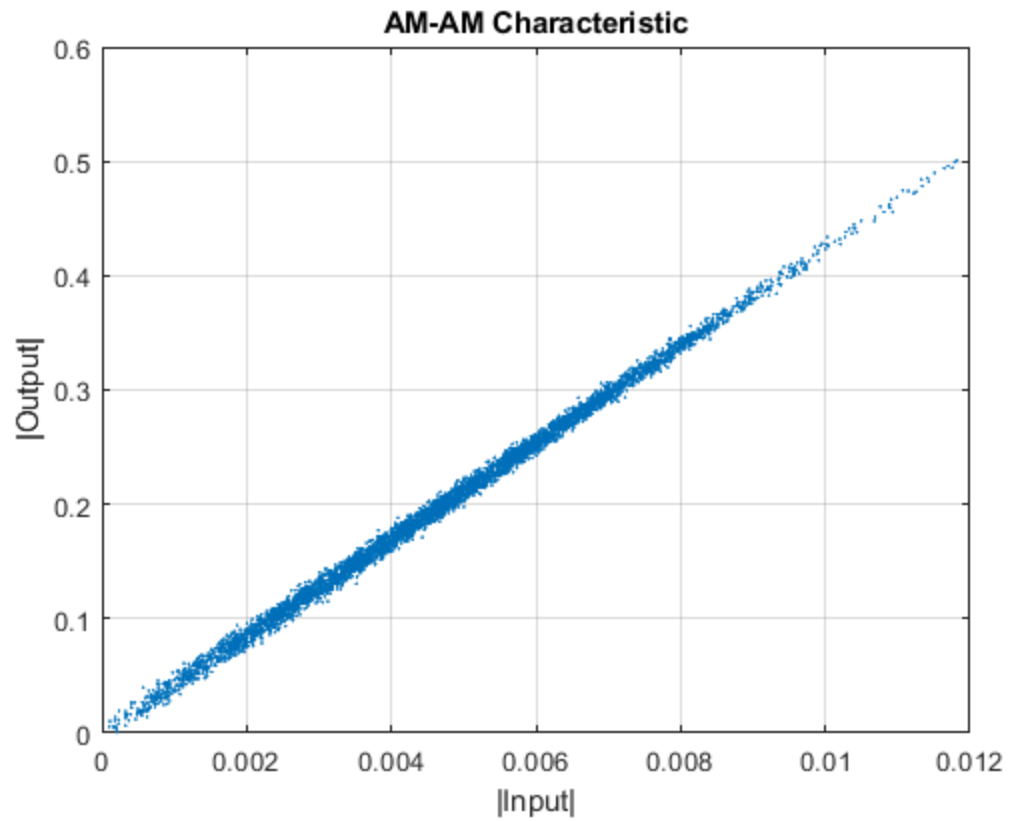
Plot

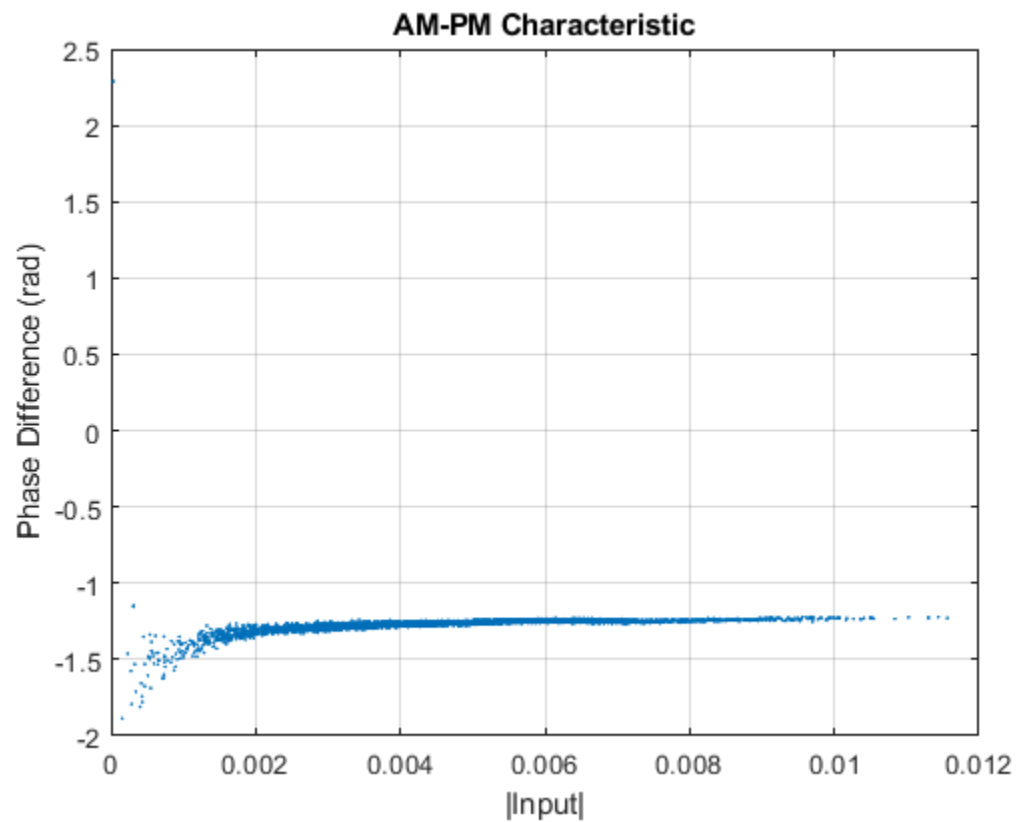
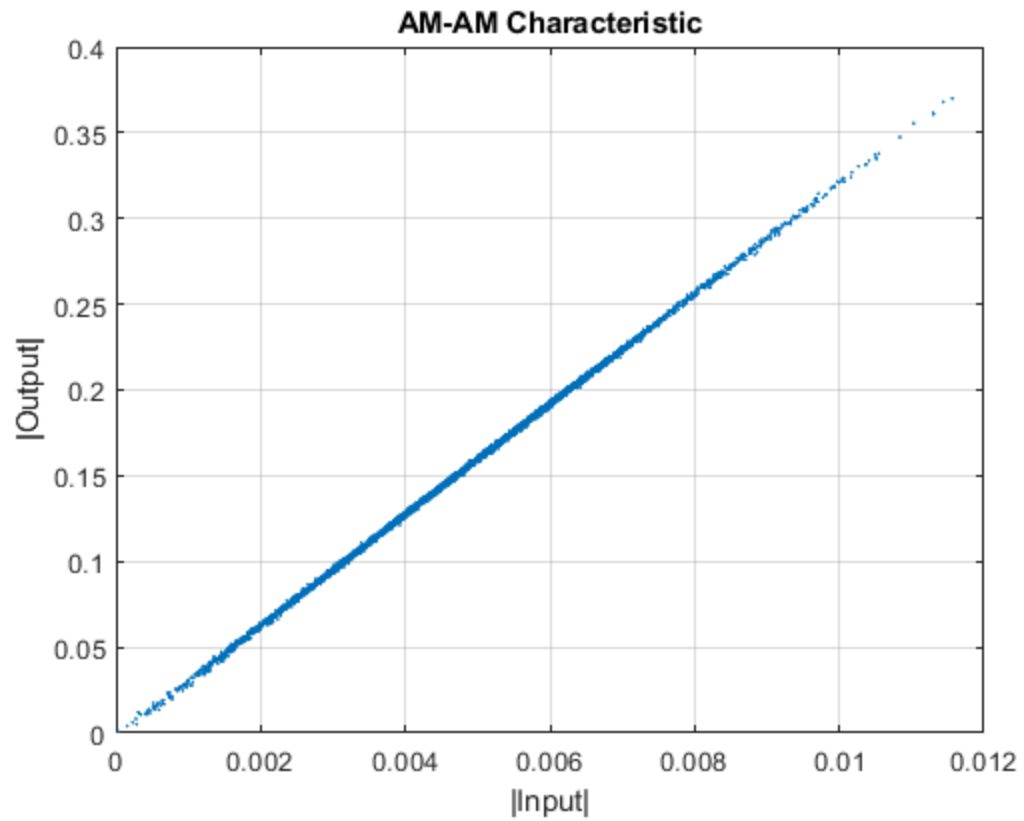
```
plot_amam(signal_1_in, signal_1_out);
plot_ampm(signal_1_in, signal_1_out);

plot_amam(signal_2_in, signal_2_out);
plot_ampm(signal_2_in, signal_2_out);

toc

Elapsed time is 0.346572 seconds.
```





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