

```
function [LF_plane,load_ax,freq_ax]=generate_load_freq_plane(f_amp,l_amp,fs)

%%% generate load/frequency plane

load_ax = linspace(0,100,1000);
freq_ax = linspace(0,fs/2,1000);

f_amp = interp1(linspace(0,fs/2,length(f_amp)), f_amp, freq_ax, 'spline');
l_amp = interp1(linspace(0,fs/2,length(l_amp)), l_amp, load_ax, 'spline');

LF_plane = f_amp'*l_amp;
```