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Setup paths

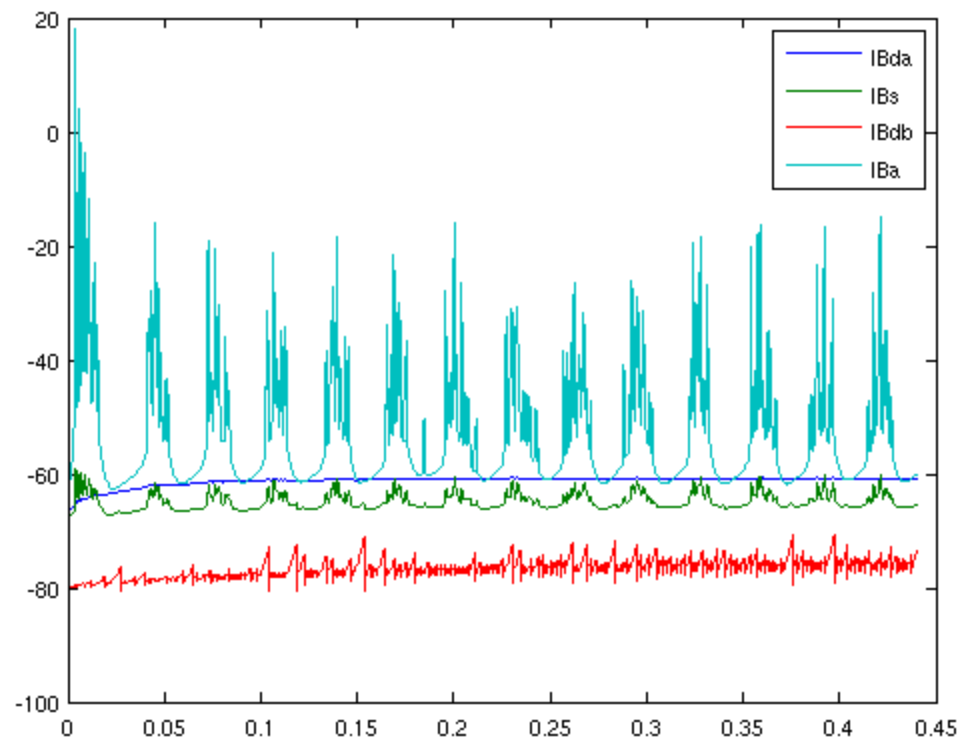
```
addpath(genpath(fullfile('~','src','ds_kb','funcs_general')));  
addpath(genpath(fullfile('~','src','chronux')));
```

Load data

```
data_to_load = 2;  
s1=load('~\Dropbox\git\dnsim\data_kramerfull\20150424\data\lfp\job0001_RS-multipli  
s2=load('~\Dropbox\git\dnsim\data_kramerfull_onlyIB\20150424\data\lfp\job0001_IBda  
s3=load('~\Dropbox\git\dnsim\data_kramer_IB\20150424\data\lfp\job0001_IBda-multipl  
switch data_to_load  
    case 1  
        vars_pull(s1);  
        chosen_channel = 7;  
    case 2  
        vars_pull(s2);  
        chosen_channel = 4;  
    case 3  
        vars_pull(s3);  
        chosen_channel = 4;  
end  
  
vars = {(spec.entities.label)};  
  
t=time;  
dt = mode(diff(t));  
lfp = lfp';
```

Plot raw data

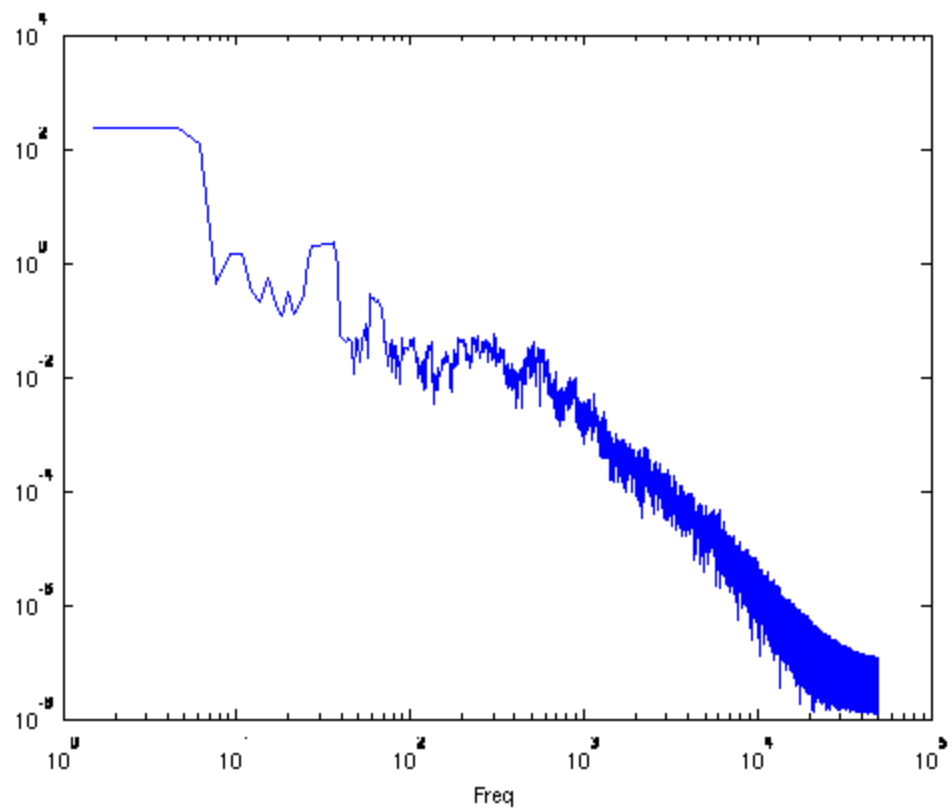
```
figure; plot(t,lfp);  
legend(vars{:})
```



Plot lfp

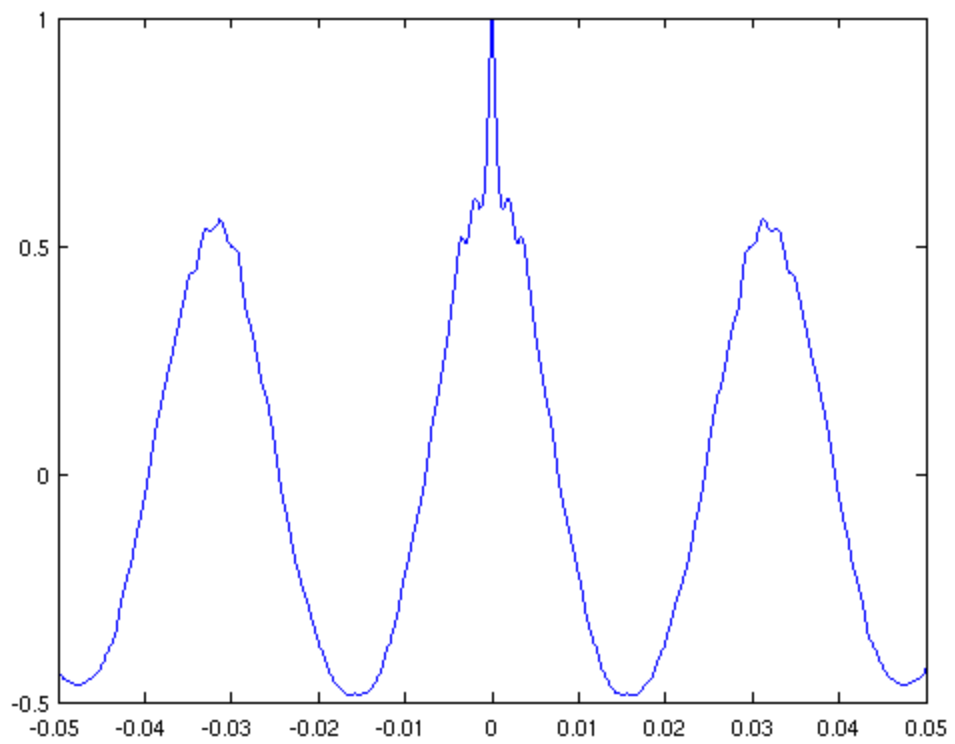
```
figure; plott_psd(lfp(:,chosen_channel),'fs',1/dt,'logplot',1,'mode',2)

tapers unspecified, defaulting to params.tapers=[3 5]
ans =
    1.1980e+03
```



Plot cross correlation

```
x = zscore(lfp(:,chosen_channel));  
[C,lags] = xcorr(x, 'unbiased');  
  
figure; plot(lags*dt,C)  
xlim([-0.05 0.05]);
```



Published with MATLAB® R2013a