To run get_peaks_from_movement_regressors.m

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Credit and date

Code developed by Oscar Miranda-Dominguez.

First line of documentation: NOvember 11, 2019

Intro

This function identifies the peak in the spectrum

Repo location

https://github.com/DCAN-Labs/movement_regressors_power_plots

Basic usage

The two mandatory input arguments for this function are:

1. the path to the Movement Regressors files made by the pipelin. in this casi it is only the path to a single file (not a cell with paths to multiple Movement Regressors files as in cat_mov_reg_power
2. TR, BOLD's repetition time

Example 1

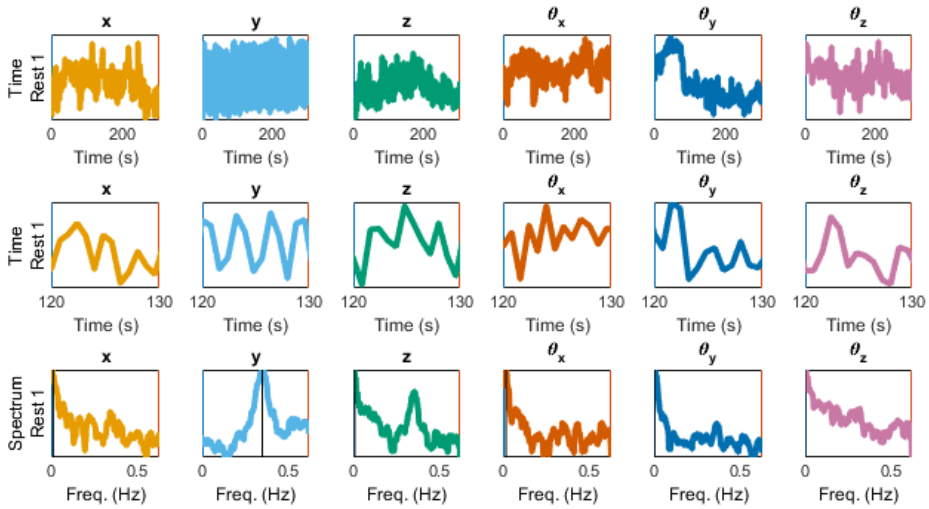
```
% cd /mnt/max/shared/code/internal/utilities/mov_reg_power % move to
 the folder to save the data
f=filesep;
TR=0.8;% TR in seconds

ver=1;
% Path to Movement regressors file
dest_path='P:\code\internal\utilities\OSCAR_WIP
\movement_regressors_power_plots\mov_reg_files\subject_with_PMU_data';
```

```
path_mov_reg=[dest_path f 'random_ix_1_ver'
 num2str(ver) '_Movement_Regressors.txt'];

peaks_at = get_peaks_from_movement_regressors(path_mov_reg,TR)
```

```
peaks_at =

    0.0122
    0.3516
    0.0073
    0.0171
    0.0024
         0
```

Show peaks in the figure

```
CLIM=power_per_Resting(path_mov_reg,TR,'show_line_peak_power',1);
```



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