Analize resulds of 3D FD modelling

Introduction

Check results of FD Heidimod program

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Add MLIB library

```
clear; close all; clc;
mlibfolder = '/home/ivan/Desktop/MLIB';
path(path, mlibfolder);
add_mlib_path;
```

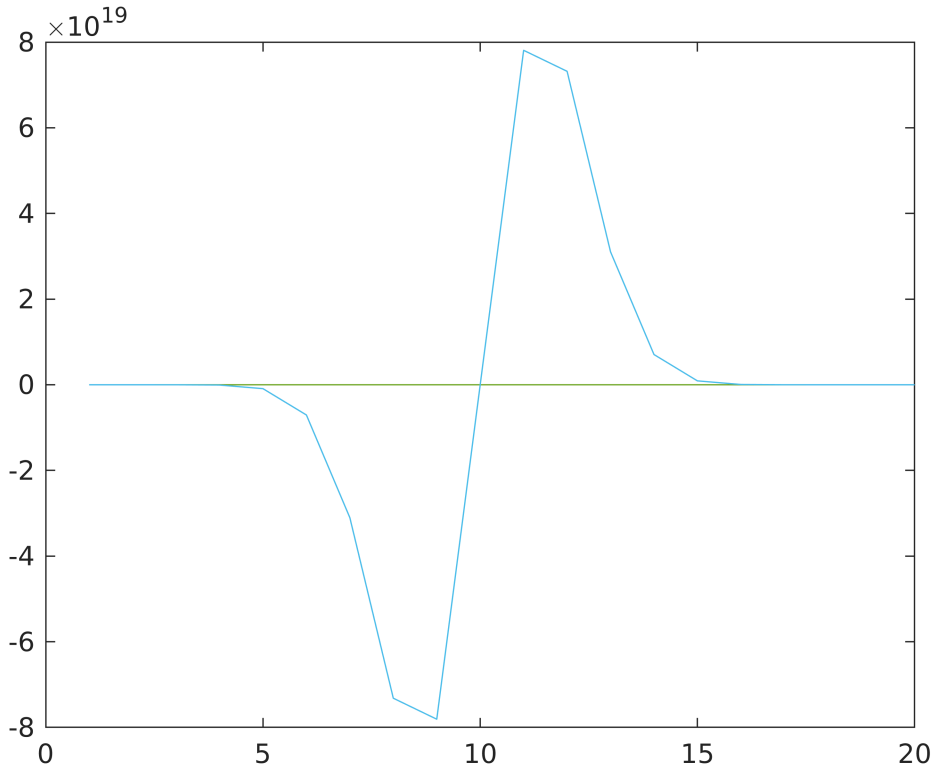
Set parameters of FD modeling

```
folder = [mlibfolder '/Examples/Heidimod/s90900/'];
nts = 20;                   % number of time samples of the wavelet
nrec = 8;                   % number of receivers
```

Read files

wavelet

```
fid = fopen([folder 'wavelet'],'r');
data = fread(fid, inf, 'single', 'ieee-be');
fclose(fid);
data=reshape(data,[nts,6,1]);
plot(data(:,:))
```




```
clear data
```

source positions

```
fid = fopen([folder 'slocation'],'r');
sloc = fread(fid, inf, 'single', 'ieee-be');
fclose(fid);
```

receiver positions

```
fid = fopen([folder 'geoloc'],'r');
gloc = fread(fid, inf, 'single', 'ieee-be');
fclose(fid);
gloc  = reshape(gloc,[3,nrec]);
```

moduli

```
fid = fopen([folder 'moduli'],'r');
moduli = fread(fid, inf, 'single', 'ieee-be');
fclose(fid);
```