LIST OF DOUBTS

I’ve written some doubts about forcePlateMain.m code.

* Figure (2): line 138

It represents the midline between both feet. Thus, I think that “xlabel” is wrong.   
I think x axis is the feet position. The number represent the cell and each cell measures 8.5 mm. So, there are two options:

xlabel('Position inthe forcePlate (cell)');

xlabel('Position in the forcePlate (mm)');(we must multiply

by 8.5)

And y axis represents the pressure:

ylabel('Pressure in r-l-dimension (N)');

I’m not sure . It was mythought.

* Calculate the COG: lines 236 and 239

Did he do an aproximation, i.e, considered that “Center of Gravity” is the same that “Center of mass?. I think he applied this ecuation:

*(*[*http://en.wikipedia.org/wiki/Center\_of\_mass*](http://en.wikipedia.org/wiki/Center_of_mass)*)*

Where R is the “Center of mass”, M is the total mass and mi are the mass that are located in space with coordinated ri, in this case, in the plane. I imagine that as F=m\*a, the force is directly proporcional, It’s the same to use mass or force, but I’m not sure it’s the case.

* The first figure represents the data force of front left foot, back left foot, front right foot and back right foot (line 82). The last figure represents the data force of the right foot, left foot and both feet (line 267), so, if we add up the force of front left foot and the back left foot (first figure) we will obtain the total force in the left foot (last figure), for example?

I hope I have explained it well ☺