**1. Output images**

* Yyou are outputing one image per trial, correct?
  + Yes. Effectively I visualize lines in a text file(those text files you can find under /my\_trainning\_data) and put them into a folder
* This image consists of 10 sample points and 6 axis to form a 10x6 representation, correct?
  + Yes. image size = 6 axis X n slices
* These labels, are they coming from the: primitives, composites, or llb's, I wasn't so clear?
  + Yes. you can know better about how they are organized by understanding how dict\_cooked\_from\_folder looks like:

dict\_cooked\_from\_folder = {

"primitive": {

"Fx": {[iteration1, iteration2, ....]},

"Fy": {[iteration1, iteration2, ....]},

"Fz": {[iteration1, iteration2, ....]},

"Mx": {[iteration1, iteration2, ....]},

"My": {[iteration1, iteration2, ....]},

"Mz": {[iteration1, iteration2, ....]}

}

"composite": {same as primitive}

"llbehavior": {same as primitive}

}

* It seems in the success\_img folder you don't create images for the different levels?
  + Yes...since the training data set of success is generated by down-sampling the whole trial, It cannot tell the information about levels.  
    The images for different levels are in img\_of\_insertion, img\_of\_mating....

**2. Slices**

* Why did you choose the default level 10?
  + The 10 is randomly chosen...since I don't have many data back then, I try to use a small number so the sample size won't be too large(sample size = 6\*slices)...
* At the primitive level we have have tens, maybe even 50... and it goes down with composites and llb's. llb's might not reach 10 sometimes, so how did you deal with the different size/len of elements in the three different layers?
  + I want to try different combinations of slices for those 3 levels...And choose the best one..
  + This is how I set slice number for each level:
  + In my\_code\feature\_extractor\data\_feature\_extractor.py， change these 3 numbers.

For example, if I set 10, 20, 30, the final data for one trial should be 3 matrices:

* matrix for primitive level is 6\*10
* matrix for composite level is 6\*20
* matrix for llb level is 6\*30

And finally I concatenate all the rows from these 3 matrices and output them in one line.

