Weekly reports are to be emailed to atbecker@uh.edu by 5:00pm on Tuesdays. The purpose of a weekly report is to: (1) give you text and images for your papers, thesis, and dissertation, (2) document progress, (3) identify if you are stuck or need resources.

Weekly report

1. **My *Goals* from last week**
   * To write the code for the new Gauss Gun set up
   * To Provide PE/L^3 Vs r/L Plot
   * To Provide max(n) Vs. r/L Plot
2. **My *Accomplishments* this week**
   * I provided PE/L^3 Vs r/L Plot in the following link:  
     <https://github.com/mmsultan17/Robotics-Lab/blob/master/PE%20Versus%20percentage%20r%20to%20L_V5.pdf>
   * I Provided the optimum points for n=1 to n-10 with s/r values:  
     <https://github.com/mmsultan17/Robotics-Lab/blob/master/Gauss%20Gun%20Table_2.pdf>
   * I optimized the Gauss Gun with different radii and I found the values change with the change on the range for r1,r2 and r3 and the optimum values happened from the trial using annealing function when r1 and r2 is the maximum and r3 is the minimum and here you go the link for my Mathematica file which I still working on:  
     <https://github.com/mmsultan17/Robotics-Lab/blob/master/Gauss%20Gun%20with%20different%20radii.nb>
   * I met with Julien, Jarret and Javier and they asked me to provide r Vs. s Plot and I sent it to them
   * Preliminary max(n) Vs. r/L Plot need to know how the drawings should look like and here is the link for my progress on it:  
     <https://github.com/mmsultan17/Robotics-Lab/blob/master/max%20n%20Vs%20r_L_Version3.nb>
3. ***Goals* for next week**
   * To provide max(n) Vs r/L Plot
   * To work on Gauss Gun with different radii analysis
4. **What I need Dr. Becker to do:**
   1. To Discuss the Gauss Gun with different radii preliminary results
   2. To Discuss the drawings for max(n) Vs.r/L Plot
   3. To meet on Friday at 3:30pm