Week #11
April 11th, 2006
Andrew Harris

Work Completed:

This week we didn’t have to do anything major to our project. Before this week we had already completed all of the major assembly and had tested everything to ensure it worked properly. However, this week we did spend a lot of time on cosmetic issues. By lab on Friday our new custom pad that we had ordered had finally came in – the following is a digital image of this pad:

![Figure 1: Foam Pad](image1.png)

Since we had finally gotten the pad in we were then able to work together at putting the Velcro both on the pad and the transfer board. We decided to put 8 strips total of Velcro in the formation of two rows of four strips. The following two figures are digital images of the positions of the Velcro on both the transfer board and foam pad:
Earlier in the week Bhavin and I had glued polyfoam to the bottom of the board. We glued a strip of polyfoam on each end of the board, and another strip to each side in the middle of the board. We did this so that if anybody was to carry the board with their hands grabbing the bottom of the transfer board; the polyfoam would be there for added comfort. Also during on lab on Friday we made the leg stabilizers look better by putting installing end-caps onto the 80/20 material, and we also made a sign to place by the handbar. The following figure is a digital image of the sign by the handbar:
Future Work:

The overall design is completely assembled and works great. The only other cosmetic issue that we are going to add is a ruler or some other type of measuring device to each leg stabilizer to ensure that they will be evenly placed. In lab on Friday we ordered stick-on rulers from MSC so those should be in shortly and should take no longer than ten minutes to put on the device. The only other future work that needs to be done is the paperwork and finishing our website. We still have to finish our final report and write a user’s manual to go along with the device. We also are going to create a video which demonstrates the device and plan on putting this up on our website.

Project Review:

We have tested the project and it works great, and now with the addition of the new custom foam pad it looks that much better. The following figure is a digital image of the project thus far:
Hours Worked:
Total – 8 hours