ar329

Fall 2008 Contributions

This fall I am working with the AutoCad subteam subteam of the Design Team to document the mathcad programs that were developed last semester. To date I have fully completed documenting the Chemical Stock Tank script. I have also finished the skeleton framework for the Plant Level Tank Program and Lamina Program. In the second half of the semester pictures were added to the Lamina Program.. It was decided that since the Plant Level Tank Program is not used in the current script it will be finished only if there is extra time at the end of the semester. I also started documenting the Grit Chamber Program but it was decided that since this script is still being changed frequently it would not be completed this semester.

I spent the latter half of the semester documenting the Flocculation Tank Program and the Sedimentation Tank Program. The flocculation program consists of three programs to draw the Flocculation tank, baffles in the right tank and the baffles in the left tank. The sedimentation tank program consists of 15 scripts: Sedtanktankscript,Sedtankslopescript,Sedtankinletslopescript,Sedtankexitchannelscript,Sedtankinletchannelscript,Sedtankinletpipescriptlayout1,Sedtankinletpipescript,Sedtankelbowscript,Sedtankmanifoldscript,Sedtanksludgescript,Sedtanklaminascript,Sedtankarrayscript,Sedtankopenchannelscript,Sedechanneltankscript and Sedichanneltankscript. The script is complete for all of the sedimentation pages. Pictures have also been added to Sedtanktankscript,Sedtankslopescript, Sedtankexitchannelscript, Sedtankinletpipescriptlayout1, Sedtankmanifoldscript, Sedtanksludgescript, Sedtanklaminascript, Sedechanneltankscript and Sedichanneltankscript.

Content created by Anonymous
There are no pages at the moment.

Midterm synopsis (Spring 2008):

I have been working with the AutoCad team this semester to modify plant renditions using MathCad text. This semester we have modified previously written lamella script and compiled it with the main sedimentation tank program. We have also written and incorporated sloped walls for the sedimentation chambers. Until we incorporate the scripts with the rest of the design team the programs are written using arbitrary parameters. Our programs are accessible through the teams sourgeforge repository.

Final contributions to date (Spring 2008):

- Created Mathcad script for plant channel and sloped sedimentation walls (most updated version of all mathcad scripts can be found on the teams sourceforge).

- Created stand-alone lamella and baffle script.

- Integrated lamella script into the sedimentation tank program.

- Integrated baffle script into the flocculation tank program.

- Integrated channel and slope script into the sedimentation tank.

- Wrote step-by-step program help pages for Tee, Cross, Sedimentation slope and Channel.

For the work done this semester I feel I deserve an A for the course.