acd38

Alexander Duncan's Individual Contribution Page

Semester Contributions

This semester (Spring '10) I helped to derive the relevant equations that helped us to design our first round of experiments on floc rollup. I also helped set up, carry out, and analyze the results of these experiments. In the second round of experiments, I helped determine how to isolate the effects of velocity gradients in the settler by fixing other parameters of the system, (e.g. capture velocity, upflow velocity, pi ratio) which our team figured out in our MathCAD files. I also performed a literature search on lamella/ tube settler spacing guidelines.