

# CDC Fall 2009 Challenges

## Challenges for Fall 2009

Subteam Leader:

Number of team members needed: 4

Important team member skills:

- MathCAD
- Process Controller
- Fluid Dynamics

## Challenges

### Non-Linear CDC

- Determine whether a single or multiple orifices should be used to connect rapid mix chamber and flocculation for optimum energy dissipation, head loss, and float sizing.
  - We have tentative results in the mathCAD file however, we did not have enough time to optimize the functions created.
- Construct non-linear CDC and run experiments to evaluate design and ensure experimental results align with theoretical results.

For additional challenges, see [suggested challenges](#) our team did not address this semester.