

Minutes – Class Meeting

11/12/13

- Kyle went to Motors presentation
 - Stepper motor
 - Gears itself down- fine position control
 - Bad with respect to speed
 - Inexpensive
 - Stepper motor w/ position or torque feedback?
 - Will CCH be okay with a this switch?
 - Too much work for one week?
 - Other option is Parker automated valve
- Mitch has prices on valves/actuators
 - Valve alone ~\$1000. Cheapest is \$520
 - Actuator \$800-\$2000
 - Cheapest options have smallest pipe size (valve \$500 and actuator \$815)
 - Issues w/ Parker valve:
 - Budget
 - Might wear too quickly
 - Unsure of speed and torque
- Talk w/ Zona and Varela about valve/actuator issues and ideas
- Faculty in attendance:
 - J. Wellin
 - M. Kempinski

ACTION ITEMS:

Jake- Controller w/ stepper motor specs review. Email Kevin from CCH w/ computer specs and PT specs.
Email Joe about info of their existing valve

Kyle- components for stepper motor

Anushka- Voltage step for each PT