# HW 9 – Report

## <u>General</u>

Total number of students	23
Number of submitted HW	22
Number of not submitted HW	1
Number of problems	4
Average grade	96.76
Standard deviation of grades	7.08

## Individual problem breakdown

Problem	P6.22	P6.30	P6.37	P6.38
Average grade	10.00	9.89	9.64	9.62
Standard deviation				
of grades	0.00	0.26	0.85	0.86

## Grade distribution



#### **Grade history**



#### **Submission history**







#### **Comments**

- Some students did not identify the direction of the flow considering the sign of the head loss in P6.30. In order for the physics of the problem to be meaningful, the friction loss should be a positive value (zero if the assumption of frictionless flow is applied).
- Few students did not apply the log-law correctly in P6.37. The log-law cannot be applied at the wall (y = 0). The only location in the domain where the velocity is known is y = h/2. Specifically it is u = V/2 since the flow is purely driven by shear and no pressure/gravity effects are considered.