

# LMECA 2323: Aerodynamics of External Flows

Laboratory: Low Reynolds Number Flow around a Cylinder in a Wind Tunnel

J. Dandoy, G. Winckelmans and DG. Caprace

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## Calibration data for slope computation

$M_D$ [kg]	$U_D$ [V]
0.0	0.31
0.0682	0.64
0.1816	1.19
0.295	1.73
0.7485	3.91
1.6557	8.185

Table 1: Hung mass -  $M_D$  vs Measured tension -  $U_D$

## Drag coefficient for the lateral plates and the arms

$$C_{D,e} = 0.09$$