8.7 Experiment No. 8

Determination of co-efficient of resistance for change in cross section of pipe

Experimental Data Sheet

Temp = _____^{0}C υ =

Expansion to contraction

l1 = m, l2 = m, d1 = 0.0282 m, d2 = 0.0172 m

Group No	h_1 (m)	h_2 (m)	$h_v = h_1 - h_2$ (m)	Q_a (m^3/sec)	V_1	V_2	R_{e1}	R_{e2}	λ_1	λ_2	ζ
1											
2											
3											
4											
5											
6											

Contraction to expansion

l1 = m, l2 = m, d1 =0.0172 m, d2 = 0.0282 m

Group No	h_1 (m)	h_2 (m)	$h_v = h_1 - h_2$ (m)	Q_a (m^3/sec)	V_1	V_2	R_{e1}	R_{e2}	λ_1	λ_2	ζ
1											
2											
3											
4											
5											
6											

Level / Term : Level 02 / Fall **Dept.** : EWCE
Reg No. : 202330026 **Section:** N/A
Group No. : 05 **Date** : 11/02/2025

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Signature of the Teacher