

Vežba broj 2.2

Merenje protoka na Thompson-ovom prelivu

Student:	Ana i Nenad	Temp. vode (C):	10
Broj indeksa:	Ugledni primer	ρ (kg/m ³):	999.7
Datum:		ν (10 ⁻⁶ m ² /s):	1.308
		Z_T (cm):	25.83
		σ (10 ⁻³ N/m):	0.748

REZULTATI MERENJA

Redni broj	ΔM (kg)	Δt (s)	Z (cm)
1	6.55	42.8	28.46
2	6.32	23.0	28.83
3	8.45	26.3	29.13
4	8.82	27.4	29.25
5	8.70	18.2	29.76

OBRADA REZULTATA MERENJA

Redni broj	$h = Z - Z_T$ (cm)	Q_{MER} (L/s)	Q_T (L/s)	Q_T^* (L/s)	Re_T	We_T	Q_T^{**} (L/s)
1	2.63	0.153	0.154	0.169	10213.17	9068.77	0.157
2	3.00	0.275	0.214	0.232	12442.53	11799.93	0.217
3	3.30	0.321	0.272	0.293	14354.82	14277.92	0.275
4	3.42	0.322	0.297	0.319	15144.88	15335.20	0.300
5	3.93	0.478	0.420	0.447	18655.87	20249.87	0.424

Redni broj	ϵ_1 (%)	ϵ_2 (%)	ϵ_3 (%)	δQ_{MER} (L/s)	δQ_T (L/s)	δQ_T^* (L/s)	δQ_T^{**} (L/s)
1	-0.57	-9.43	-2.53	0.007	0.001	0.001	0.000
2	28.47	18.36	26.45	0.013	0.002	0.001	0.000
3	18.36	9.85	16.83	0.015	0.002	0.001	0.001
4	8.46	0.92	7.16	0.015	0.002	0.001	0.001
5	13.78	6.85	12.84	0.022	0.003	0.001	0.001