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HYDRAULICS

UNIFORM FLOW IN OPEN CHANNEL EXERCISE

TOPIC 2.1

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Chapter 2: Uniform Flow in Open Channel by N Adilah A A Ghani

Communitising Technology

Exercise 2.1

A rectangular channel with 6 m width and bed slope, 0.0016 flow through the channel with $10 \text{ m}^3/\text{s}$, $n=0.017$. Calculate the value of normal depth with

- Trial and error
- Graph
- Design Chart

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Exercise 2.2

How deep will water flow at the rate of $6.80 \text{ m}^3/\text{s}$ in a rectangular channel 6.10 m wide laid on a slope of 0.00010 ? Use $n=0.0149$.