X

NPTEL

reviewer1@nptel.iitm.ac.in ▼

Courses » Computational Hydraulics

Announcements Course Forum Progress Mentor

Unit 11 - Week 10

Course outline

How to access the portal

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

- Lecture 40 : Steady Channel Flow : Channel Network without Reverse Flow
- Lecture 41 : Steady Channel Flow : Channel Network without Reverse Flow (Contd.)
- Lecture 42 : Steady Channel Flow : Channel Network with Reverse Flow
- Lecture 43 : Steady Channel Flow : Channel Network with Reverse Flow (Contd.)
- Scilab Codes

Assignment 10

The due date for submitting this assignment has passed. **Due on 2017-10-14, 23:59 IST.**

Submitted assignment

1) Consider the problem discussed in **Steady Channel Flow: Channel Network without Reverse Flow** with downstream boundary discharge as 200 cumec. What is the flow depth at the internal junction 2? Keep other parameters constant and utilize code steady_1D_channel_network_without_reverse.sci. *2 points*

- 2.9575652
- 2.0575652
- 3.9575652
- 3

No, the answer is incorrect.
Score: 0

Accepted Answers:
2.9575652

2) Consider the problem discussed in **Steady Channel Flow: Channel Network without Reverse Flow** with downstream boundary discharge as 200 cumec. What is the discharge passing through channel 1? Keep other parameters constant and utilize code steady_1D_channel_network_without_reverse.sci. *1 point*

- 57.320715
- 200
- 142.67929

No, the answer is incorrect.
Score: 0

Accepted Answers:
200

3) Consider the problem discussed in **Steady Channel Flow: Channel Network with Reverse Flow** with downstream flow depth as 4m. What is the flow depth at junction 5? Keep other parameters constant and utilize code steady_1D_channel network_with_reverse_cfg1.sci/ steady_1D_channel_network_with_reverse_cfg2.sci/ steady_1D_channel_network_with reverse cfg3.sci. *2 points*

- 3.9039337
- 3.0039337
- 4

No, the answer is incorrect.
Score: 0

Accepted Answers:
3.9039337

Lecture Material
Quiz : Assignment 10
Assignment Solution
Week 11
Week 12

4) Consider the problem discussed in **Steady Channel Flow: Channel Network with Reverse Flow** with downstream flow depth as 4m and upstream/ downstream discharge 200 *cumec*. What is the flow depth at junction 5? Keep other parameters constant and utilize code steady_1D_channel_network_with_reverse_cfg1.sci/ steady_1D_channel_network_with_reverse_cfg2.sci/ steady_1D_channel_network_with_reverse_cfg3.sci. ***2 points***

- 3.9039337
- 3.9025047
- 4

No, the answer is incorrect.
Score: 0

Accepted Answers:
3.9025047

5) Consider the problem discussed in **Steady Channel Flow: Channel Network with Reverse Flow** with downstream flow depth as 4m. What is the flow depth at junction 5? Change the flow directions for channels 4, 5 and 6. Keep other parameters constant and utilize code steady_1D_channel_network_with reverse_cfg1.sci/ steady_1D_channel_network_with_reverse_cfg2.sci/ steady_1D_channel_network_with_reverse_cfg3.sci. ***2 points***

- 3.9039337
- 3.0039337
- 4

No, the answer is incorrect.
Score: 0

Accepted Answers:
3.9039337

6) Will the governing equations utilized in **Steady Channel Flow: Channel Network with Reverse Flow** remain valid if inflow/outflow discharge changes with time? ***1 point***

- Yes
- No

No, the answer is incorrect.
Score: 0

Accepted Answers:
No

Previous Page End

© 2014 NPTEL - Privacy & Terms - Honor Code - FAQs -

A project of
NPTEL National Programme on Technology Enhanced Learning

In association with
NASSCOM®

Funded by
Government of India
Ministry of Human Resource Development

Powered by
Google