

Module 3 : Cables

Lecture 5 : Tutorial Problems

Objectives

In this course you will learn the following

- Some tutorial problems related to this module.

TUTORIAL PROBLEMS

T3.1 A light cable with span 40m is under uniformly distributed load of $1 \text{ kN} / \text{m}$. If the supports are at the same level and the maximum tension allowed in the cable is 30 kN . What is the maximum allowable dip of the cable?

T3.2 Find the tension in the cable at point B for the cable shown in Figure T3.1.

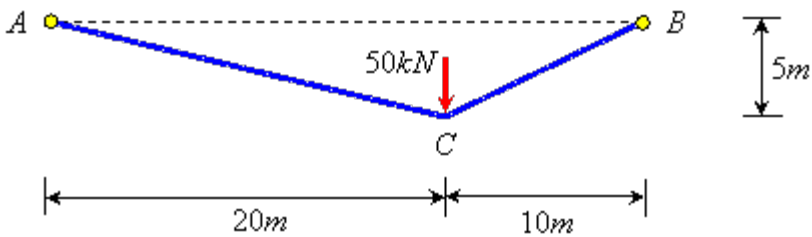


Figure T3.1

Recap

In this course you have learnt the following

- You have learned some tutorial problems related to this module.

Answers of tutorial problems

T3.1 8.94 m

T3.2 74.56 kN