



Example: write a program to analysis this continuous beam if you know

Material: concrete

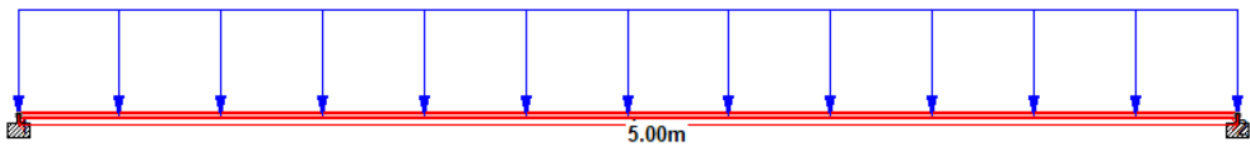
Cross section: 30 cm * 50 cm

Load: dead load (uniform force 20 KN/m)

E 2.17185e + 007

ALPHA 1e-005

DAMP 0.05



Solution :

STAAD SPACE

INPUT WIDTH 79

UNIT METER KN

JOINT COORDINATES

1 0 0 0; 2 5 0 0;

MEMBER INCIDENCES

1 1 2;

DEFINE MATERIAL START

ISOTROPIC CONCRETE

E 2.17185e + 007

POISSON 0.17

DENSITY 23.5616

ALPHA 1e-005



DAMP 0.05

TYPE CONCRETE

STRENGTH FCU 27579

END DEFINE MATERIAL

MEMBER PROPERTY

1 PRIS YD 0.5 ZD 0.3

CONSTANTS

MATERIAL CONCRETE ALL

SUPPORTS

1 2 FIXED

LOAD 1 LOAD TYPE Dead TITLE DL

SELFWEIGHT Y -1 LIST ALL

MEMBER LOAD

1 UNI GY -20

PERFORM ANALYSIS

FINISH