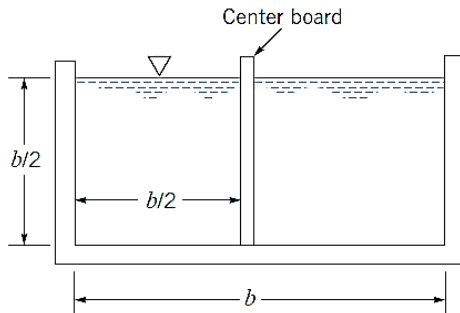


CE376 HYDROMECHANICS
HOMEWORK-3-
DUE DATE: 30.04.2020

Q1) By what percent is the uniform flowrate reduced in the rectangular channel shown in Figure because of the addition of the thin center board? All surfaces are of the same material.



Q2) Water flows in a channel in uniform flow conditions as shown in figure. The velocity is $4 \text{ m}^3/\text{s}$ when the channel is half full with depth d . Determine the velocity when the channel is completely full, depth $2d$.

