## An Internet Book on Fluid Dynamics

## Problem 454A

A tidal bore forms in an estuary in which the depth of the water prior to the passage of the bore is 2 m . If the depth of the water behind the bore is $3 m$ calculate the speed of the bore neglecting the velocity at which the water ahead of the bore is flowing. Assume $g=9.8 \mathrm{~m} / \mathrm{s}^{2}$.

