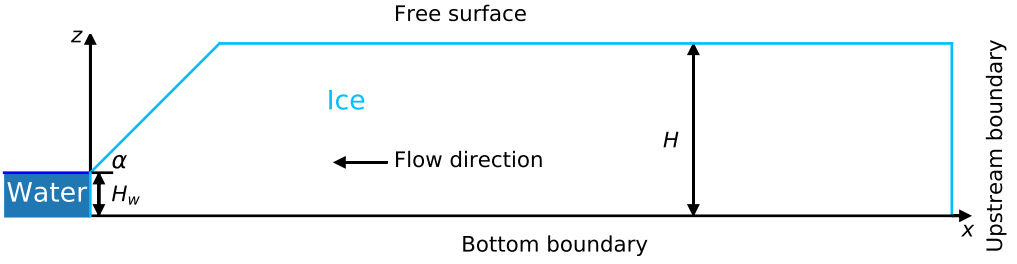
Free surface
z
Ice
H
α
Flow direction
Water
H_w
x
Upstream boundary
Bottom boundary