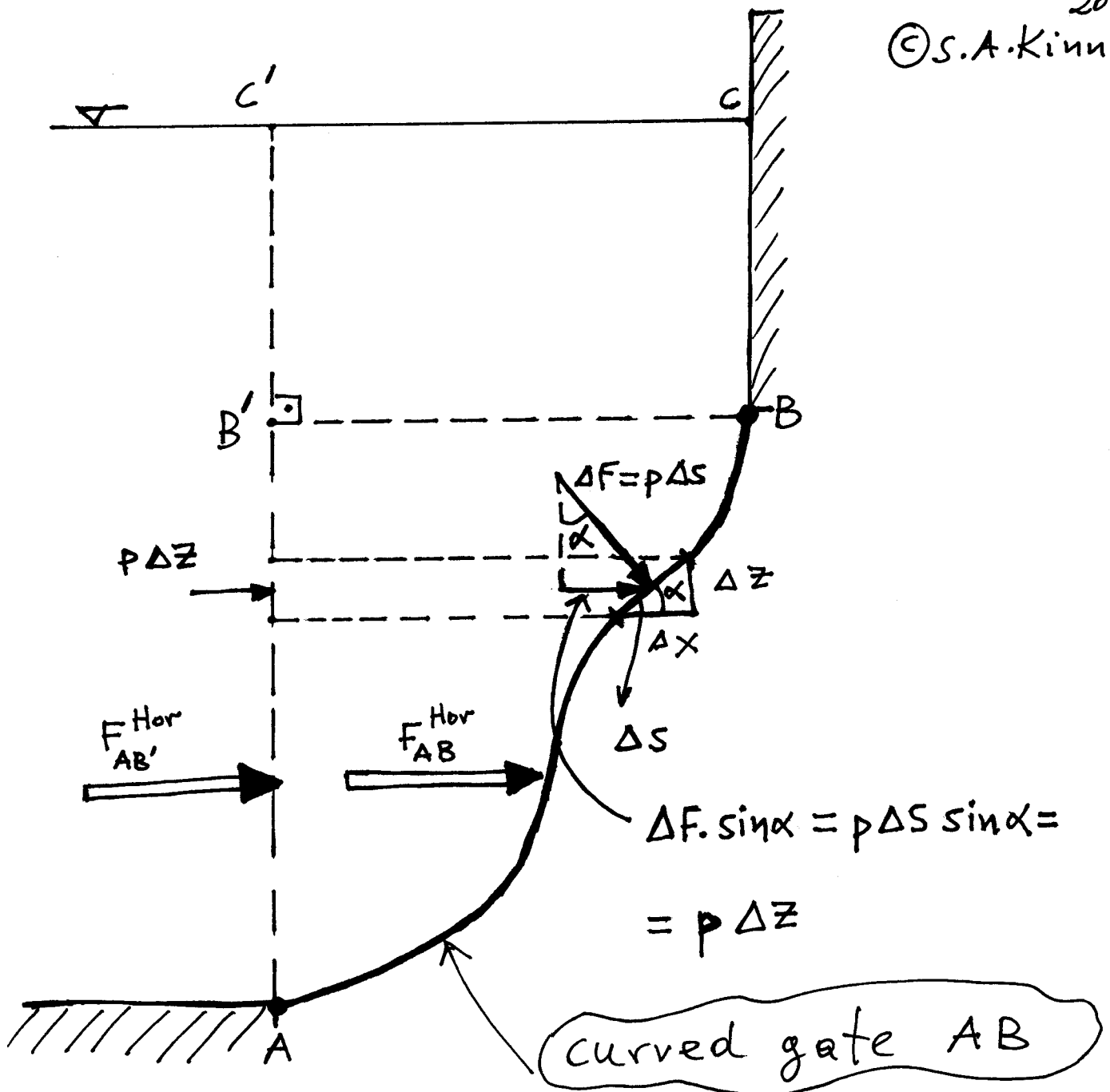


Hydrostatic forces on curved gates

CE319F (Fall 2003)
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- ▶ Horizontal force on gate AB: F_{AB}^{Hor}
is equal to $F_{AB'}^{Hor}$ (horizontal force on flat gate AB')
and has the same line of action
- ▶ Vertical force of gate AB: F_{AB}^{Ver} is equal to the
weight of fluid inside AB'C'BA and has the same
line of action