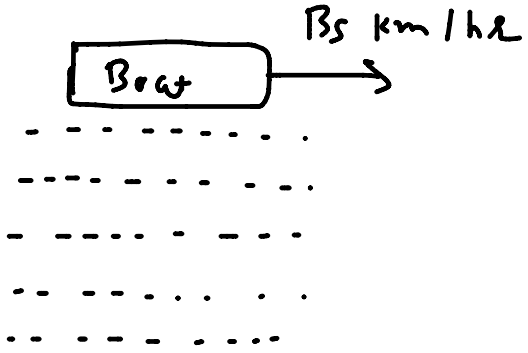
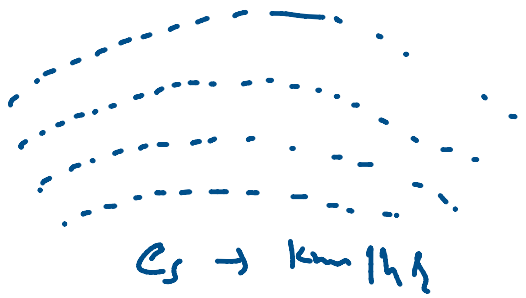
Basics

Friday, June 4, 2021 1:26 PM

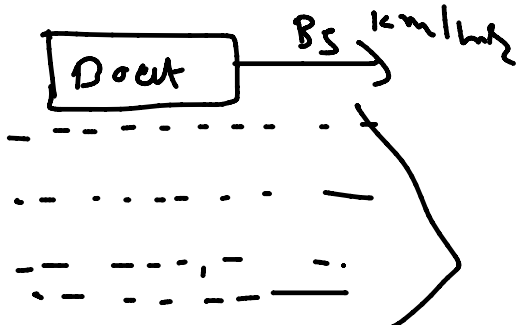
(1) Still Water :- (Speed is zero)



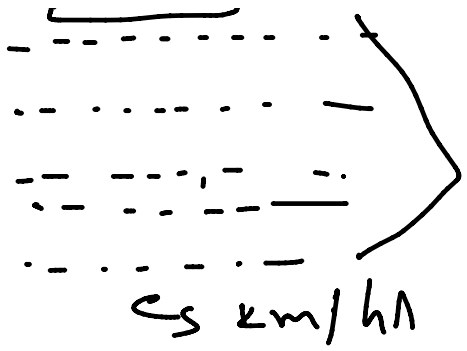
(2) Stream :- (constant speed of water)



(3) Down stream speed :- If boat or swimmer goes along the stream is called downstream speed.



$$Ds = Bs + Cs$$

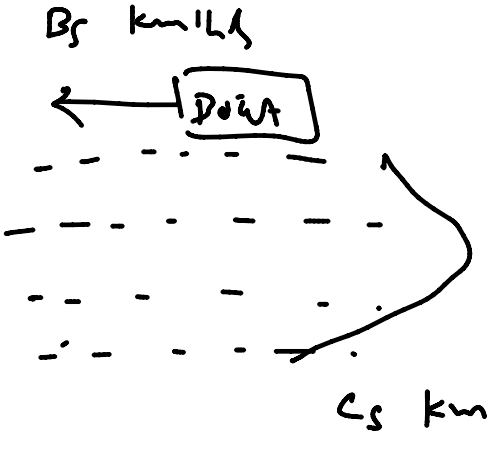


$$D_s = B_s + C_s$$

Ex: If the speed of boat man in still water is 10 km/hr and speed of water (stream) is 4 km/hr. Find downstream?

$$D_s = B_s + C_s = 10 + 4 = 14 \text{ km/hr}.$$

4) Us stream speed :- opposite direction



$$U_s = B_s - C_s$$