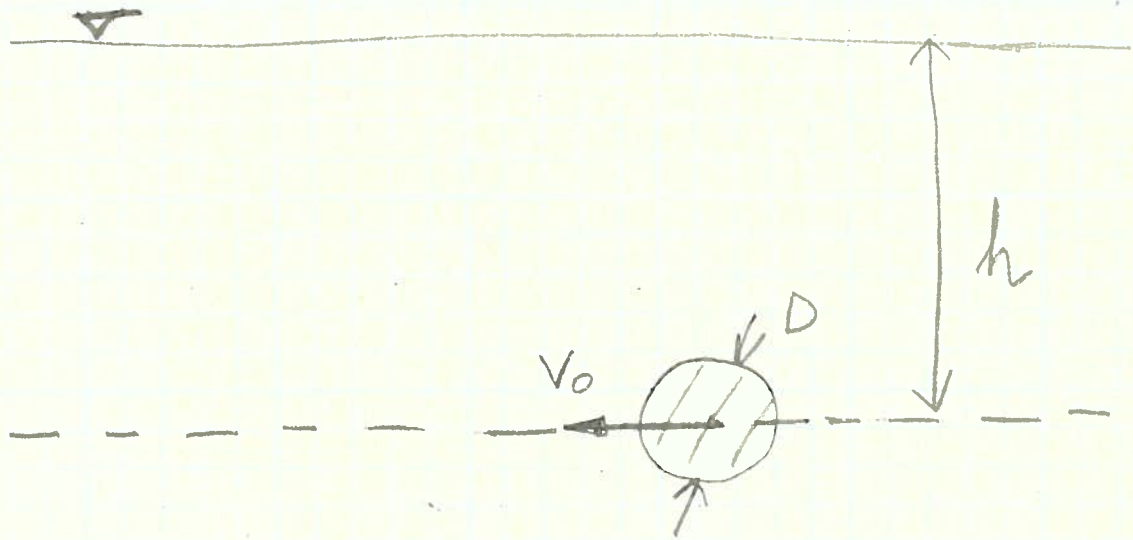
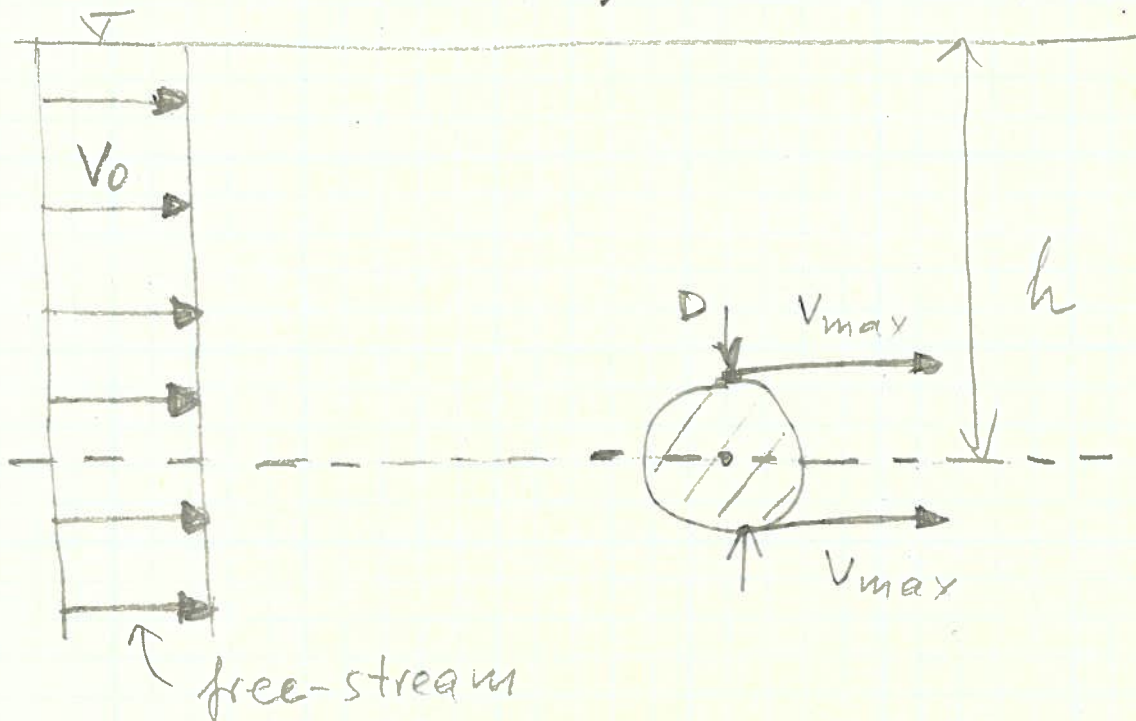


Body moving inside quiescent fluid



(A) Sphere moving under free surface with a velocity V_0 . Note: Flow relative to outside observer, is unsteady



(B) Flow relative to sphere. Note: Flow relative to observer who is riding on the sphere, is steady