

Homework

Due on 06/10/2010

James Bond is riding a speed boat. Assume the engine of the boat is off and the boat runs forward just by inertia. When he passes another boat which is stationary, he jumps over. It is known that both boats have a mass of 100 kg each and James has a weight of 80 kg. The speed boat has a speed of 50 km/hour before he jumps off. After the jumping the speed boat has a speed of 55 km/hour. What is the speed of the combination of the second boat and James after he lands on it? Assume you may ignore all the frictions including the resistance from the water.



