Say 2, 9, 3 are directions w.r.t. the earth. û, û, û are irrections w.r.t. your mobile. det à le acceleration of mobile due to quoh from person, g is acceleration due to gravity. ên jê şî Day y Now, au+gu, av+gv, aw+gw are recorded by accelerometer; ga, gv, gw are recorded by gravity meter. Taking différence, obtain au, av, au. au Par Jan Jan grand of the second of the sec an, ay, az you have to apply an inverse 3D rotation transformation an an axing the andon 11-11 using the angles obtained from the gyroscope for that time instant.

Similarly, gwen Ju, Jv, Jw, to obtain Ju, Jv, Jw, to obtain Ju Jv, Jz you need to apply an inverse 3D rotation transformation voing the angles obtained from the gyrosupe for that time instant.

93 should be 9.87 renaining 2 should be 0 check. Now, we are interested in 93+93.