

「科学先取りグローバルキャンパス岡山」講義課題

講義名	「物理チャレンジ」(原田 勲)
講義日程	2014年 11月 15日(土) 2・3限目
氏名	
学籍番号	
学校 / 学年	学校 / 年生

In English, answer the following and give a reason.

When a player hits a high fly ball, which is assumed to be in vertical direction, how does the time the ball takes to reach its maximum height, t_1 , compare to the time the ball takes to return to the height at which it was hit, t_2 ?

Choose an answer for each case:

- (i) there is no air resistance.
 - (ii) there is air resistance.
- (a) $t_1 > t_2$
 - (b) $t_1 = t_2$
 - (c) $t_1 < t_2$