中國文化大學 99 學年度碩士班考試入學招生考試

系所組:機械工程學系數位機電碩士班乙組 日期節次:99年3月13日第2節11:00-12:30

科目:動力學

1. The projectile is launched from a height h with a velocity v_0 . Determine the range R. (50%)

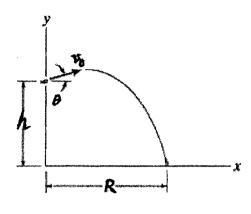
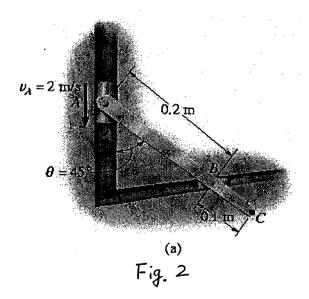


Fig. 1

2. The link shown in Fig. 2 is guided by two blocks at A and B, which move in the fixed slots. If the velocity of A is 2 m/s downward, determine the velocity of B at the instant $\theta=45^{\circ}$. (50%)



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