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Lagrangian L= T Uis The Di Erence Between The Kinetic And Potential Energies Of The Bob. The Kinetic Energy Of The Bob Is Given By Mv2=2, Where Vis The Velocity Of The Bob. In Terms 1. 2 Lab 21. The Inverted Pendulum Figure 21.1: The Frame Of Reference For The Simple Pendulum Problem. Of , The Kinetic Energy Becomes T= M 2 V2 = M 2 ... 1th, 2024Nonlinear Control Of An Inverted Pendulum - INESC-IDMent Mounted On A Rotary Servo Base Unit, Both Manufactured By Quanser 3 2.1 Conventions Used For Angle And Frame Placement. The Physical Elements Of The Experi-mental Apparatus(a)are Represented Schematically In(b)where The Horizontal Arm Is The Red Line Segment That Goes Form P 3th, 2024.

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