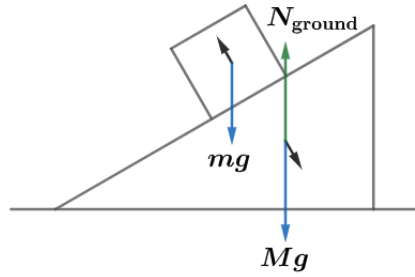


2007 F=ma Exam: Problem 9

Kevin S. Huang



There is the external force of gravity in the vertical direction so the center of mass moves vertically with increasing speed. Note that there are no external forces in the horizontal direction. Thus, the answer is D.