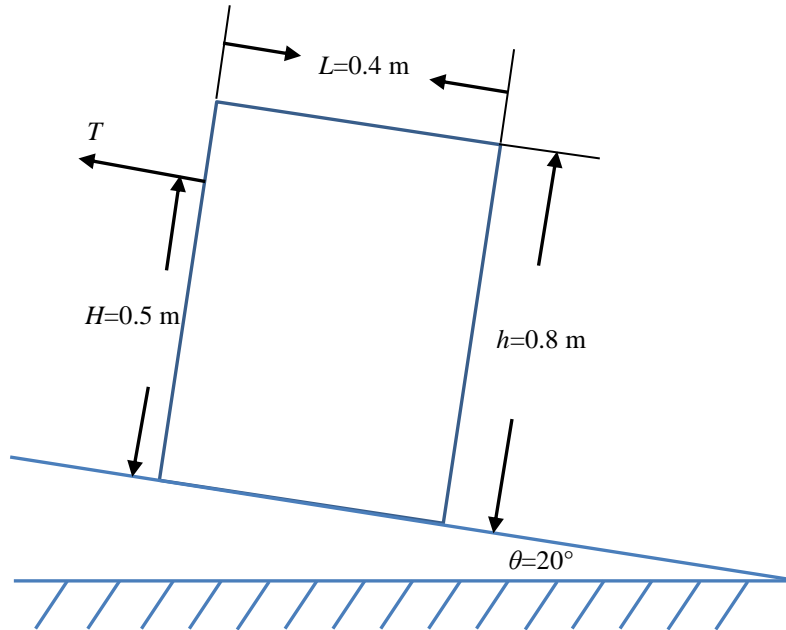


7. A 10 kg block A rests on the surface of a slant. The static coefficient of friction between the block and slant is $\mu_s = 0.3$. If an external force $T \sim N(60, 2^2)$ N is applied to pull the block, determine the probability that the block A may tip.



Answer

The probability that the block may tip is 3.16%.