

In lab you constructed an acceleration vs m_2 graph for the experiment where m_1 was on top of a frictionless surface. We have not quantified nor talked about friction yet, but you probably have some experience with it in everyday life. Thus, I want you to think carefully about how the acceleration vs m_2 graph would change qualitatively if there was friction between m_1 and the table. No need to draw any FBDs here. Just draw the original frictionless graph below, then on the same graph, sketch what it would look like if there was friction present. Describe why your sketch has the shape you chosen.