Question of the Day

How many *degrees of freedom* does a computer mouse have?

degrees of freedom are translations and/or rotations that specify the position and/or orientation of a system

What *constraints* are introduced when we use it?

constraints are restrictions on translations and/or rotations that limit the position and/or orientation of a system

ME 231: Dynamics

DoFs = 6 (3 translations & 3 rotations)

Constraints = 3 (1 translation: table and 2 rotations: table – this gives plane motion or DoFs = 2 translations & 1 rotation)