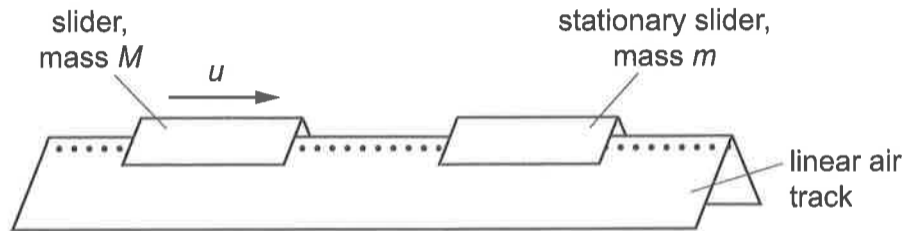9   A slider of mass M moves along a frictionless linear air track with velocity u. It collides with a stationary slider of mass m which moves off at velocity v in the same direction.

slider,
mass M

u

stationary slider,
mass m

linear air
track

What is the impulse on the stationary slider in the collision?

A $Mu - mv$ B Mu C mv D $mv - Mu$