

Answer on Question #43334 – Physics - Mechanics | Kinematics | Dynamics

does a moving object has impulse

Solution:

No, impulse is not something an object has, like momentum. Impulse is what an object can provide when it interacts with some other object.

Moving objects have momentum, not impulse.

$$\text{Momentum} = \text{Mass of Object} \cdot \text{Speed of Object}$$

$$\text{Impulse} = \text{Force Applied to Object} \cdot \text{Time of Contact}$$

$$\text{Impulse} = \text{Change in Momentum}$$

(Impulse causes an object's momentum to change.)

Answer: No.