Answer on Question 66322, Physics, Other

Question:

A hockey player applies an average force of $80 \; N$ to a $0.25 \; kg$ hockey puck for a time of $0.1 \; s$. Find the impulse experienced by the hockey puck.

Solution:

By the definition of the impulse we get:

$$J = F_{avg} \Delta t = 80 \; N \cdot 0.1 \; s = 8 \; N \cdot s.$$

Answer:

$J = 8 \; N \cdot s.$