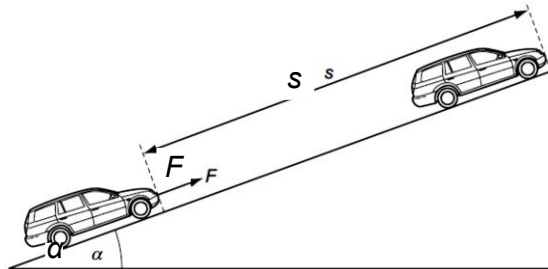


5

A constant force  $F$ , acting on a car of mass  $m$ , moves the car up the slope through a distance  $s$  at constant velocity  $v$ . The angle of the slope to the horizontal is  $\alpha$ .



Which expression gives the efficiency of the process?

A

$$\frac{mgs \sin \alpha}{Fv}$$

B

$$\frac{mv}{Fs}$$

C

$$\frac{mv^2}{2Fs}$$

D

$$\frac{mg \sin \alpha}{F}$$