

- 5 A mass m has acceleration a . It moves through a distance s in time t . The power used in accelerating the mass is equal to the product of force and velocity. The percentage uncertainties are

0.1 % in m ,

1 % in a ,

1.5 % in s ,

0.5 % in t .

What is the percentage uncertainty in the average power?

A 2.1 %

B 2.6 %

C 3.1 %

D 4.1 %