

Percentage Change

# Any Physical quanity (p) Increase to 21/2 Pfinal = 21/. Pi # Any Physical quanity P decreases to x/ Pfinul = 21-1-Pi # Any Physical quanity P Incres by x/ Pfinul = P+ n/x XP # Any Physical quanity P decreases by x/ Pfind = P - 21.1.P.

Pintiul = Pi Ex 9f Tempo morns to 300% Tf = 306.1. Ti = 399 Ti (Tf = 3Ti) lecren to 30% Tf = 301. Ti 9f Tempr Inorez by 300%.

Tf = Ti + 300%. Ti

Ram lal ke Pas Paisa - 320 supira-808% ho gya Ramla Ra Paisa final Paisa - 800% Xi

= 160 Ruping

. .

50% then final Momentum will be terreue 9f momentum is Pt - 50% Pi = 50 Pi by 50-1.

then  $Pf = P_i - 501 \cdot P_i = P_i - \frac{1}{2}P_i = \frac{P_i}{2}$ momentum is de (redo 401. - Pf = 40-1-Pi = 40 Pi momentum is ferelse 40%. If = Pi-40/Pi = Pi(1-40) decres Momentum is - Pi (100) = 6 Pi

momentum is forceded to 300%.

$$\int_{S} = 3.0\% \text{ hi}$$

$$= 31\% \text{ pr}$$

$$= 31\% \text{ pr}$$

$$= 31\% \text{ pr}$$

$$= 11\% \text{ pr}$$

$$= 31\% \text{ pr}$$

$$= 11\% \text{ pr}$$

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o/ochang Smull charle sult erry (AP)-1.1w change (\*) P gitteenfing Jiff" of y wart x if Pressure be come 6 time then I charge in Breez  $dy = 2\chi dx$ divide by y both sit Pi=Po 1. (hayo = 6Po-Po ylw - 5Ph x100 / Pi Pi Pi No = 5001) 4×100-2 da x101 Pf = 6Po

$$P = \frac{\chi^{3} \sqrt{y}}{C}$$

$$\left(\frac{dP}{P} = 3\frac{dx}{x} + \frac{1}{2}\frac{dy}{y} + \frac{\Delta c}{C}\right) e^{3\pi x}$$

$$\left(\frac{dP}{P} = 3\frac{dx}{x} + \frac{1}{2}\frac{dy}{y} - \frac{\Delta c}{C}\right) change$$

9f Moment of body Incres of by 21. then -1. Change in K.E??

We Know

$$l \omega \times \frac{dK - E}{K \cdot E} = 2\left(\frac{dP}{P} \times i\omega\right)$$

300% them K.E is Incred by 95

Momentum.

$$\frac{P_i}{P_f} = \sqrt{\frac{k \cdot E_i}{K \cdot E_f}} = \sqrt{\frac{2P_i}{K \cdot E_f}} = 2\sqrt{\frac{2P_i}{K \cdot E_f}}$$

$$\frac{1}{\int \frac{P_i - P_i}{P_i} \times \frac{P_i}{P_i}} \frac{1}{\int \frac{P_i - P_i}{P_i} \times \frac{P_i}{P_i}} = 1$$

of K.E. is decreal by 19% then I change in P c momentum)

Soln

9f 1 change in distance is 21- then electric fonce the charges will be

If distance b/w two charge incress to 2001 then find I charge in face.

9, --- 8---- 92

/ (hoge in for = 
$$\frac{fi'-fi}{4}$$
 =  $\frac{fi'-fi}{Fi}$  =  $\frac{f(-fi')}{4}$  x w



