密绕弹簧受拉的变形公式推导

Monday, March 6, 2023 4:25 PM	
①:对于在下下,弹簧伸长入	
①: 对于在下了。等等件长入 (学女件状态变能) (多女件状态变能) (多女件状态变能) (多女件状态变能) (多女件状态变能) (多女件状态变能)	
(学文学校立变前的) 128年20202	
CT2 d 8	
设· dA 表示弹簧追横截面部。ds为治部簧丝线的微长度,(s从)到L) 则dV=dA·ds=2TIfap·ds。设势簧由图组成,以L=n2TR=nTID	
以表:	
$W = \int_{V} \frac{128 F^{2}D^{2}\rho^{2}}{C\pi^{2}d^{8}} dV = \int_{V} \frac{128 F^{2}D^{2}\rho^{2}}{C\pi^{2}d^{8}} 2\pi\rho d\rho ds$	
$\begin{cases} 7 + (E^2 D^2)^3 \\ 7 + (E^2 D^3)^3 \end{cases}$	М С 223
$= \int_{9}^{7} n \sqrt{D} \cdot \frac{2t6 F^{2}D^{2}\rho^{3}}{G \sqrt{d^{8}}} d\rho = \int_{9}^{7} \frac{2t6 F^{2}D^{2}\rho^{3}}{G d^{8}} d\rho = \frac{64nF^{2}D^{3}r^{4}}{G d^{8}} = \frac{64nF^{2}D^{3}r^{4}}{$	G d4
口上 在 柳蓝 駅:	
$\frac{4FD}{Gd^4} \cdot n = \frac{1}{2}F\lambda \text{Hat:} \lambda = \frac{8FD^3n}{Gd^4} = \frac{64FR^3n}{Gd^4}$	