Eo(5) = 3x2 tw + 5x 3 tw = 21 tw E. (3)= 6 tw + 5 tw 2 1/4 w. E((s) = 1/2 stw + 3tw = 23tw Ground will be 7 7 2 - 3 8 it spins flipped 12 it spins Hipped. EXIPI (nfer) ~ (5-RI) <u > sos > = B-RA

 $\frac{1}{1+e} = \frac{(0.1 \times 1.6 \times 10^{-9})}{(0.1 \times 1.6 \times 10^{-14} \times 6)}$ P - 1.38 × 600 × 10.24 · ~ 0 · 13 0.1 < P < 0.2 1 = [4n><4n] + [pn><pn] $\begin{cases} \begin{pmatrix} 1 & k \\ k & u^2 \end{pmatrix} + \begin{pmatrix} u^2 & k \\ k & u^2 \end{pmatrix} \\ k^2 & 0 \end{cases}$ $\frac{k^{2}}{2} \left(\frac{k^{2}+1}{2k} \right)$ 2 (41) (242+246)

& + 1 ~ / 2tipdp ln(1± 2e-Bp2). den zapdp. Padxx 2 - (Ize-x2). LT E(-1) 12 -) 2 is the exponent. 1-D Szapap -> Sap. exponent 3