WIG adjustment and WIG applicability $N_{\text{N}} = \max\left(\frac{c_{\text{p}}^2}{c_{\text{p}}^2}, \frac{c_{\text{p}}^2}{c_{\text{p}}^2}\right) \times \times 1$ for with to apply Note that $C = \frac{Ly}{T_0}$ $Ld = \frac{C}{T_0} = \frac{Ly}{T_0}$ going to Nw definition and plugging yields: Nw = $\max\left(\frac{L^2}{\tau^2}, \frac{L^2}{Ly^2}, \frac{L^2}{Ly^2}, \frac{L^2}{Ly^2}, \frac{L^2}{Ly^2}\right)$ Nw = max $\left(\frac{L^2}{\tau^2}, \frac{L^2}{\tau^2}, \frac{L^2}{\tau^2}\right)$ = To2 max (T-2, f2) In Adames (2022) we see that in most In Hoanes (20-) we and hopical motions

ROT = $\frac{1}{7}$ ~ 1

: $\frac{1}{7}$ ~ $\frac{1}{7}$ You'll get that: To N T. of you use G then $G \sim \frac{C}{3} \sim \frac{50}{3} \times 17$ ms

tropical dynamics under WTO balance When Nw KK I we can decompose U = Un + U' = deviction from with The LOTE wind Ww 2005 = Q1 when NW 441 - who $Sp = Q_1$ Sp = - 2DSE positive no. Tw = Th Xw WTG relocity potential

Mass cont. Th. Tw = - Dww plug in Xw The Xw = - Dwh Define Xw -> integrated vet patentéal $\chi_{m} = -\frac{9\chi_{m}}{2}$ The WTG circulation can be completely described which Jollows - Sp Th Xw = Q Helmholts theorem

= VnX + k x Vn V

Under WTG balance X 2 Xw It follows that X 2 XV

of the wind toward on from stored with

which means that devictions from with can be explained using the PV equation.

The cutto component is described by Su or wow