Schnitt Triegger Twoffen Perfinent Equations Elwarling: Vs = (Rz) VREF VREF RILL Vo = V3 + (R1) Vo = This is the francision wolkage

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Victory) when Vo is anything or VT(1+>1) when Vo is Engative rail Mon-chroning: Vs = (1+ R, R2) VREF V2 V2 V2 V6 Ex 15.7 chweeling with Vs=1V: hysteresis width is 100mV ±10 Vrails, Iz= 200, A w/ V=+10V $| = (\frac{R_2}{2,102}) V_{REF}$ $| V_{F(L\rightarrow H)}| = | -(\frac{R_1}{R_1+R_2})(10) \rangle V_{F(L\rightarrow H)} = 0.95V$ $| V_{T(H\rightarrow L)}| = | +(\frac{R_1}{R_1+R_2})(10) \rangle V_{T(H\rightarrow L)} = 1.05V$ $\frac{1}{R_1+R_2} = 0.005 \Rightarrow \frac{R_1+R_2}{R_1} = 200 \Rightarrow 1 + \frac{R_2}{R_1} = 200$ $R = \frac{10 - 1.4 - 100(200 \text{mH})}{200 \text{mH}} = \frac{R_2}{R_1} = \frac{199}{R_2} = \frac{R_1}{R_2} = \frac{199}{R_1} = \frac{R_2}{R_2} = \frac{199}{R_1} = \frac{199}{R_2} = \frac{199}{R_2} = \frac{199}{R_1} = \frac{199}{R_2} = \frac{199}{R_2} = \frac{199}{R_1} = \frac{199}{R_2} = \frac{199}{R_2$ (R2/R1+R2) VREF =/=> VREF = 1 (K, t/Z) = 1 (1+ R/2) R=42,9ks2 = \(\(\tau + 5,025 \times \(\tau^{-3} \) VREF = 1,005 V

Now-Inverting

$$\frac{-1.5 = V_{REF} \left(\frac{1}{7} \frac{R_{i}}{R_{i}} \right)}{V_{T(H \to L)} = Z = -1.5 - \left(\frac{R_{i}}{R_{i}} \right) 12}$$

$$\frac{R_{i}}{R_{i}} = 0.0417 = 2R_{i} = 833.2$$

$$V_{REF} = \frac{-1.5}{1.0417} \quad for \quad R_{2} = 20k.C$$

$$V_{REF} = 1.44 V$$