$$\frac{df}{f} + \frac{du}{u} + \frac{dA}{A} = 0$$

$$\frac{df}{f} + udu = -\frac{2w}{f}A + G(\frac{1}{N})(\frac{1}{N} - 1)$$

$$\frac{df}{f} = \frac{df}{f} + \frac{dT}{T}$$

$$\frac{df}{f} = \frac{df}{f} + \frac{dT}{f}$$

$$\frac{df}{f} = \frac{df}{f} + \frac{dT}{f}$$

$$\frac{df}{f} = \frac{df}{f} + \frac{df}{f}$$

$$\frac{df$$

NUM exical

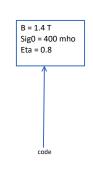
NUM exical.



$$T_{+ci} = T_{ci} \left[1 + \frac{Y-1}{2} M_{ci}^2 \right] = 412.16 \text{ K}$$

$$P_{+ci} = 242496 \ \mu/m^2$$

$$\dot{M} = \frac{P}{RT} M \sqrt{TRT} A = 0.308957 \text{ kg/s}$$



$$G(M_1^2) = M_1^{-1} \left[\frac{2}{r+1} \left(1 + \frac{r-1}{2} M_1^2 \right) \right] \stackrel{r_1}{=} 10.1411376183559$$

$$= > G(M_2^2) = 1014.11376183559 = > M_2 = 11.4375817247634$$

$$T_2 = \frac{T_+}{(1 + \frac{7}{2} M_2^2)} = \frac{4037.06812031099}{1 + .2 M_2^2} = \frac{148.620210102 K}{1}$$

$$P_2 = \frac{P_+}{(1+\frac{Y-1}{2}M_2)} \frac{7}{1.5121369045636} pa$$

