$$C = \frac{1+\Gamma L}{1-\Gamma L} \quad \text{Namolize yit expedensi})$$

$$E = \frac{1+\Gamma L}{1-\Gamma L} \quad \text{Buradan } \quad \Gamma_{1} \text{ yi yalnız buralursal} \quad \text{Applitus}$$

$$= \frac{1+\Gamma L}{1-\Gamma L} \quad \text{Buradan } \quad \Gamma_{2} \text{ yi yalnız buralursal} \quad \text{Applitus}$$

$$= \frac{1+\Gamma L}{1-\Gamma L} \quad \text{Buradan } \quad \Gamma_{2} \text{ yi yalnız buralursal} \quad \text{Applitus}$$

$$= \frac{1+\Gamma L}{1-\Gamma L} \quad \text{Puran Dalga Oran (SWZ)} = \frac{1+\Gamma L}{1-\Gamma L} \quad \text{Yadasınısı}$$

$$= \frac{1+\Gamma L}{1-\Gamma L} \quad \text{Puran dalga oranı denletininde } \quad \text{Yazarsal}$$

$$= \frac{1+\Gamma L}{1-\Gamma L} \quad \text{Puran dalga oranı denletininde } \quad \text{Yazarsal}$$

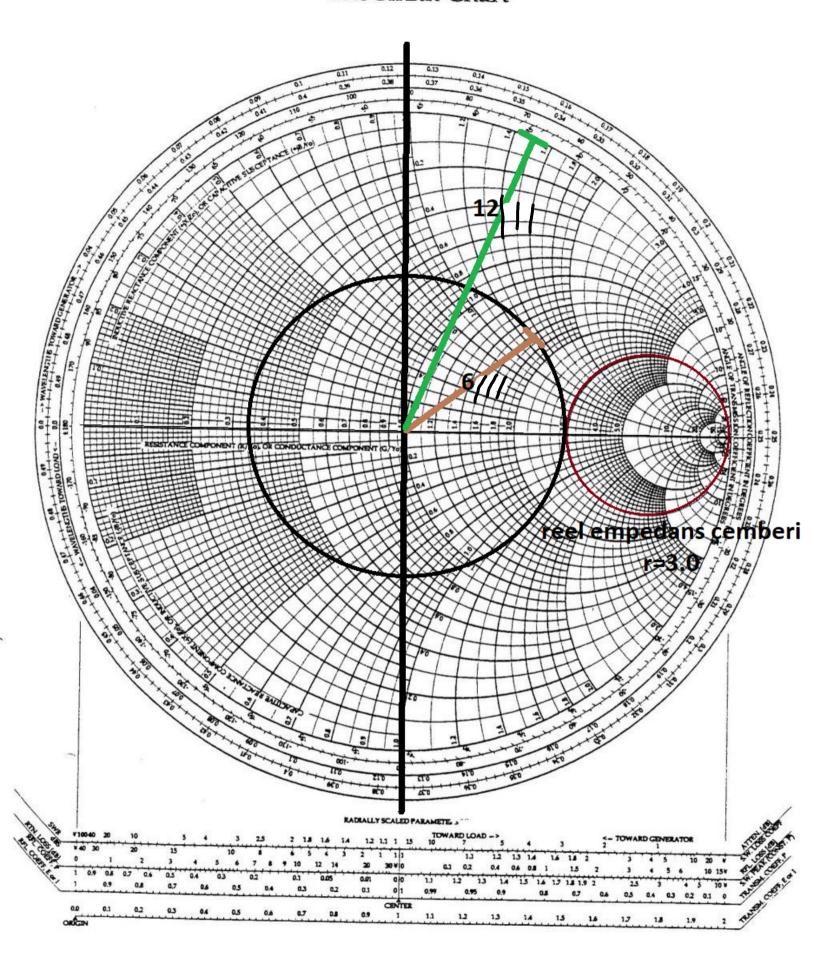
$$= \frac{1+\Gamma L}{1-\Gamma L} \quad \text{Puran Dalga oranı denletininde } \quad \text{Yazarsal}$$

$$= \frac{1+\Gamma L}{1-\Gamma L} \quad \text{Yaz$$

deginin r'ile esit aiktigin ory lyebiliriz. Böylele ifat tomon lannus

dur.

The Smith Chart



Yukorida smith abagindo da gorildüğü üzere $|\Gamma_{i}| = 6^{-1/2}$, $\Gamma = 12$ iain $|\Gamma| = \frac{1}{\Gamma_{i}} = \frac{6}{12} = 0.5$ olorak buluruz.

SwR = $\frac{1+|\Gamma|}{1-|\Gamma|} = \frac{1+0.5}{1-0.9} = 3$ Bu değer duran dalga aemberine

değer olon red empedons damkerinin değerire ezittir.