





```
For the more ground cose whose GGD how multiple pules
    = A(s) has the same colditional poles
    = i.e., @ freqs. > 1 p.1 (14 a.of), the Als) curry just
               follows the act curre
            A(s) \cong \frac{A_{\circ}}{\left(1 \cdot \frac{S}{P_{\circ}(1+\alpha_{s}f)}\right)\left(1 - \frac{S}{P_{\circ}}\right)\left(1 - \frac{S}{P_{\circ}}\right)}
           makes serve, became @ fregs. > 19,1(1100f), the
           long transmisian IT(jw1<1 - . Hoe isn't roully
                                                mud FB anymore...
Definikun
    Phase Margin = 180°+ (XTCjw)@ Ho freq. whome IT(jw)=1)
=> Phose Marsin must be >0° for stability
                            GFor Stability, Phose Margin >00
= For safety, though, usually design for
                              Phase Margin > 450
                                   1 Design Criterian
                                    (For practical davign)
Definition.
 Gall Margin = IT(jw) I in old @ freq. where &T(jw)=-1800
             Fa stablishi [Gain Magin < OdB
```





