The equation defines the output stability circle with the center C_L and radius R_L where

$$C_L = \frac{(S_{22} - \Delta S_{11}^*)^*}{|S_{22}|^2 - |\Delta|^2} \quad (center), \tag{24}$$

$$R_L = \left| \frac{S_{12} S_{21}}{|S_{22}|^2 - |\Delta|^2} \right| \quad (radius), \tag{25}$$

Note that the procedure is the same as for the output, with interchanged S_{11} and S_{22}. Therefore we obtain similar results for the input stability circle:

$$C_S = \frac{(S_{11} - \Delta S_{22}^*)^*}{|S_{11}|^2 - |\Delta|^2} \quad (center), \tag{26}$$

$$R_S = \left| \frac{S_{12} S_{21}}{|S_{11}|^2 - |\Delta|^2} \right| \quad (radius), \tag{27}$$