est = e = 0.006730

$$Z^{2} + 0.06124Z + 0.006738$$

$$Q_{0}(z) = \alpha \frac{(z+1)}{z^{2} + 0.06124Z} + 0.006738$$

$$Q_{0}(1) = Q_{0}(0) = \frac{25}{5^{2} + 55 + 25} \Big|_{S=0} = \frac{25}{25} = 1$$

$$A = 0.5340$$

$$Q_{0}(z) = 0.534$$

$$Q_{0}(z) = 0.534$$

$$Q_{0}(z) = 0.534$$

$$Q_{0}(z) = Q_{0}(z)$$

$$Q_{0}(z) = Q_{0$$

$$= \frac{(z-1)(z-0.3671) (0.542+0.534)}{(0.36712+0.2642) (z^2-0.47288-0.5273)}$$

$$= \frac{(z-1)(z-0.3671) (0.542+0.534)}{(0.34712+0.2642) (z-1) (z+0.5273)}$$

$$= \frac{(z-1)(z-0.3671) (0.542+0.534)}{(0.34712+0.2642) (z-1) (z+0.5273)}$$

$$= \frac{0.534 (z-0.3671) (z+0)}{0.3671 (z+0.7176) (z+0.5273)}$$

$$= \frac{1.4515 (z-0.3671) (z+0)}{(z+0.7176) (z+0.5273)}$$
(c)
$$= \frac{1.4515 (z^2+0.63212-0.3671)}{z^2+1.24472+0.3784}$$

$$= \frac{1.4515 (1+0.63212-0.36712-2)}{1+1.24492-1+0.37842-2}$$

$$= \frac{1.4515 (z+0.63212-0.36712-2)}{1+1.24492-1+0.37842-2}$$
(lie) = $\frac{1.4515 (z+0.63212-0.36712-2)}{1+1.24492-1+0.37842-2}$

-1.2449 Z-1 UB) -0.3784 Z-2 UB)

