

## Controle Digital - Questao 3 - P1

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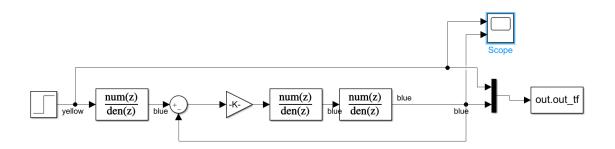
1

1.

$$G = \frac{14.2}{(z - 1.1284)}\tag{1}$$

$$Gc = \frac{0.0662 * (z - 0.7903)}{(z - 1)} \tag{2}$$

$$Gf = \frac{1}{1} \tag{3}$$



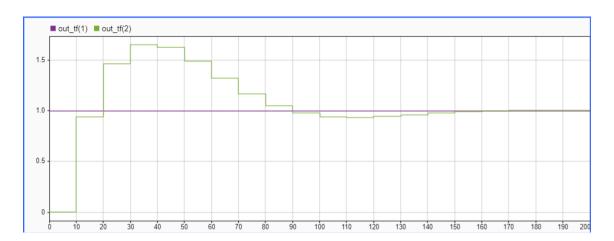


Figure 1. gf=1

Colocando

$$Gf = \frac{1}{4.78 * (z - 0.7903)} \tag{4}$$

,isso é,um polo com mesmo valor do meu zero calculado para cortar e um ganho para ter valor estacionário igual a 1.

