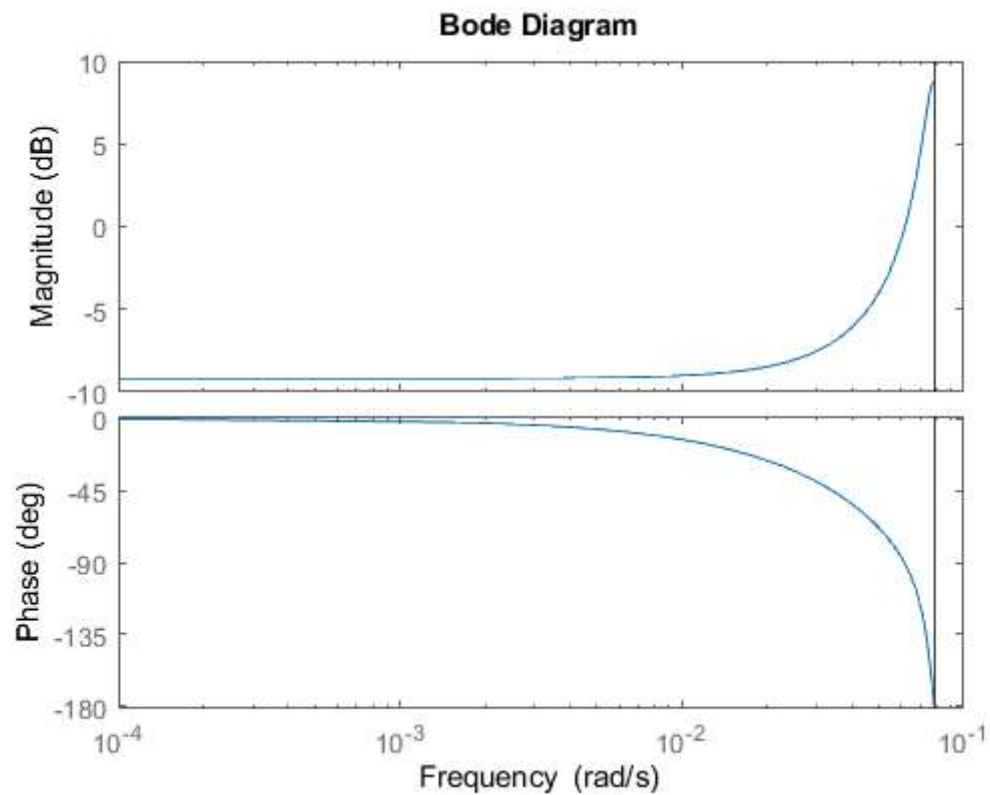
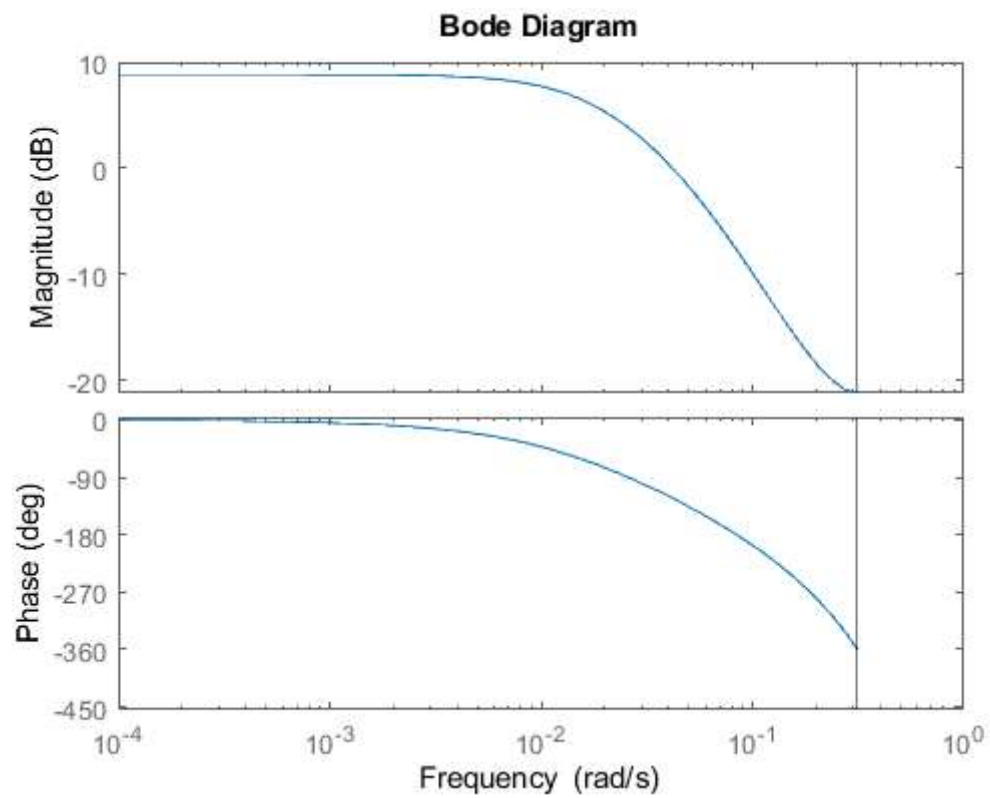
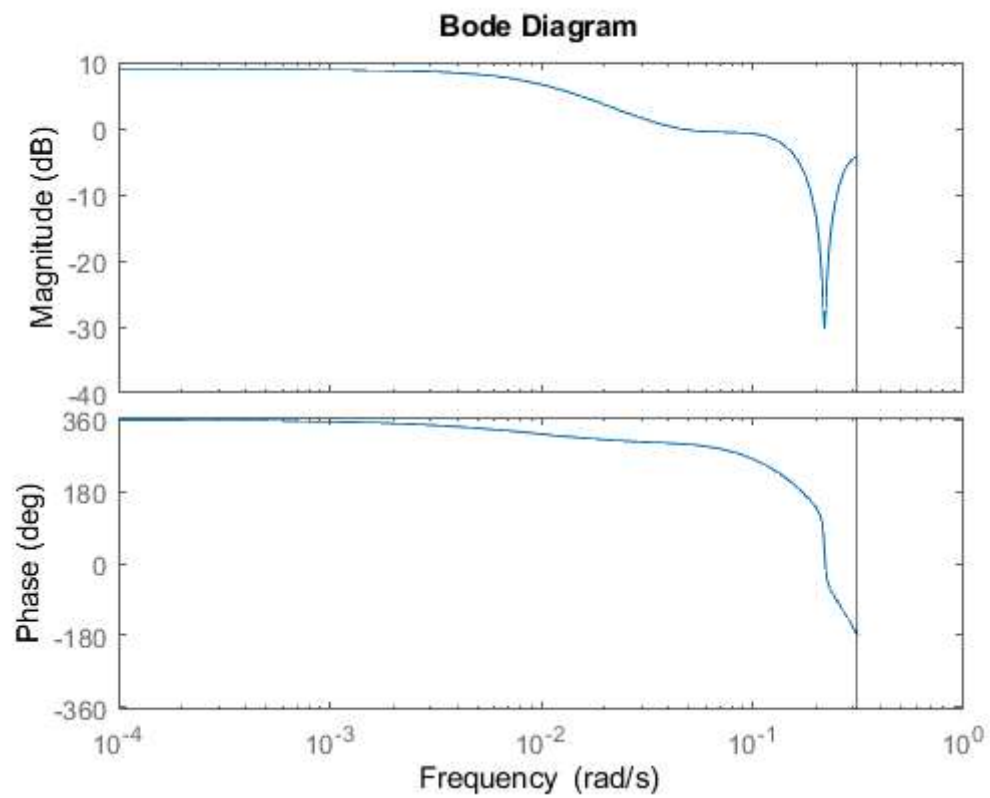


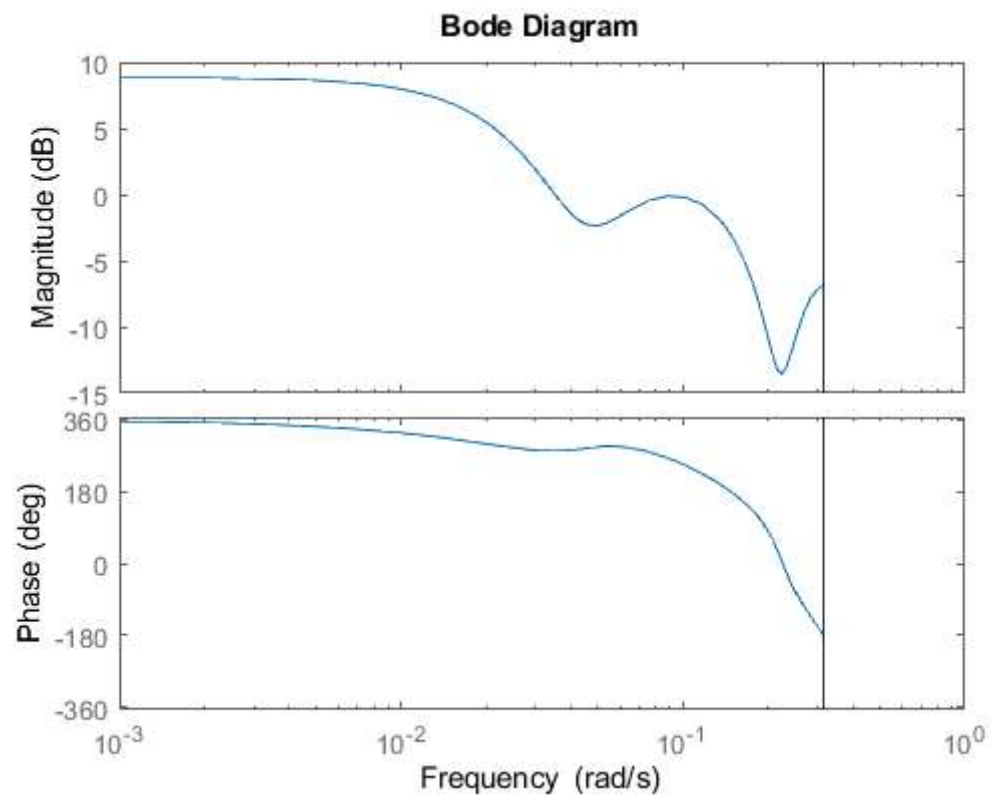
Pedro Ivo Vasconcelos - TP

## Capítulo 4

1. O código emula as plantas está nas linhas 102 a 108(Matlab), onde, para gerar cada saída, o valor é comparado com suas respectivas entradas e saídas anteriores com os ganhos relativos a essas constantes.
2. Figuras(G1(z) a G5(z) respectivamente):

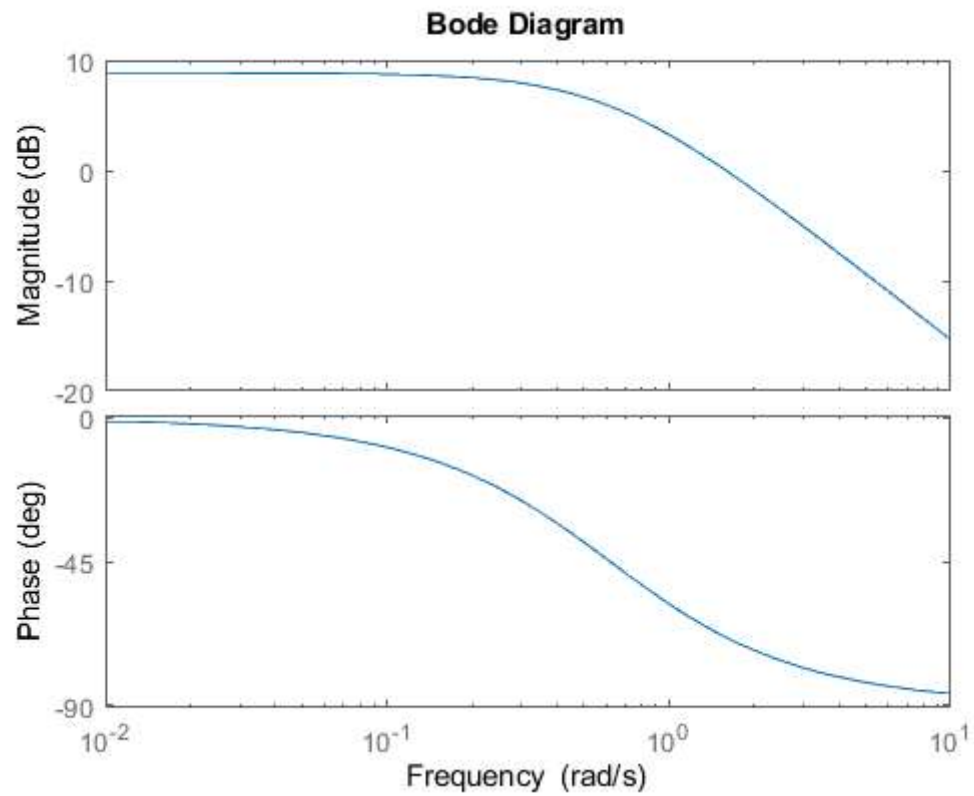






### 3. Respostas

#### a. Bode:



**b.** Discretizado:

$$\frac{Y(z)}{U(z)} = \frac{2.764}{z - 2.085 \times 10^{-3}}$$