bodas
Auralius Manurung
manurunga@yandex.com

`bodas` is used to draw the asymptotic Bode plots (magnitude and phase) of a system with the following form:

$$G(s) = K\frac{(s+z_1)(s+z_2)\dots(s+z_m)}{(s+p_1)(s+p_2)\dots(s+p_n)}$$

For example, we want draw the asymptotic Bode plots of the following system:

$$G(s) = -100\,\frac{s}{s^2+12s^2+21s+10}$$

First, we modify $G(s)$ as follows:

$$G(s) = -100\,\frac{(s+0)}{(s+1)(s+1)(s+10)}$$

Next, we collect z, p, and K, as follows:

```
z = [0];
p = [1 1 10];
K = -100;
```

To draw the asymptotic Bode plot, we simply use:

```
bodas(z,p,K);
```

The result is as follows: