(3) Estimate
$$a, b, T$$
 from measured bandwidth & DC Gain in Procedures 1.1 and 1.2 using $\omega_{BW} = aT$ and $K = \frac{b}{a}$ ($\omega_{BW} := b$ and $\omega_{BW} := b$ ($\omega_{BW} := b$) $\omega_{BW} := DC$ Gain)

From Procedure 1.1,
$$K = 0.9127$$

From Procedure 1.2, $f = 35.6 \, \text{Hz}$
 $\Rightarrow \omega_{BW} = 223.68 \, \text{rad/s}$

⇒
$$T = 100$$
 ⇒ $a = 2.2368$, $b = 2.0415$

(4) Compare these estimates with actual simulation params.

Actual Params:

$$a_{sim} = 2.0646$$
, $b_{sim} = 1.8846$, $T_{sim} = 100$
 $\Rightarrow a_{err} = \frac{|a - a_{sim}|}{a_{sim}} = 8.34\%$.
(absolute relative true error)