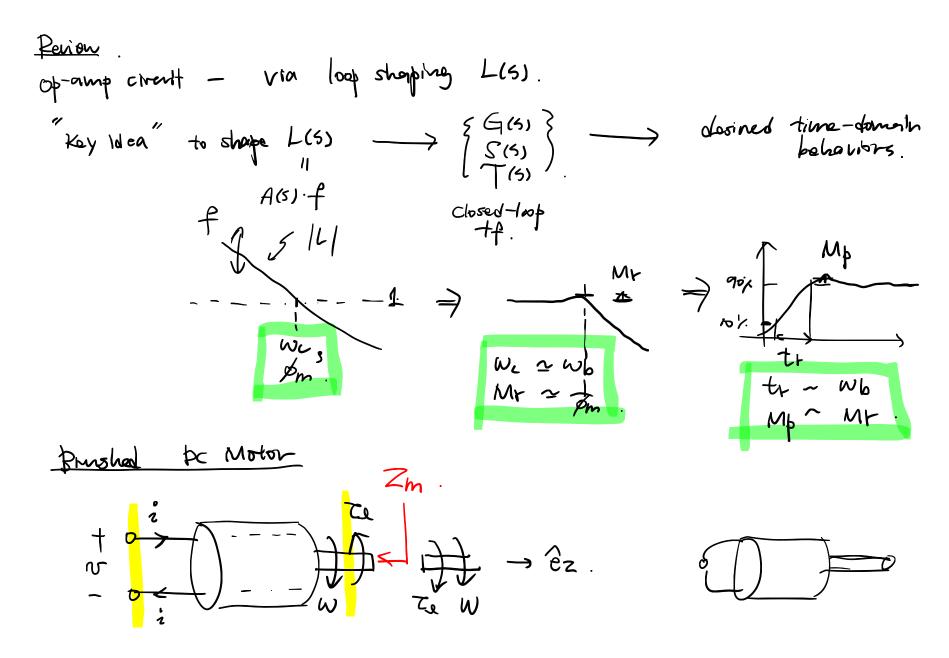
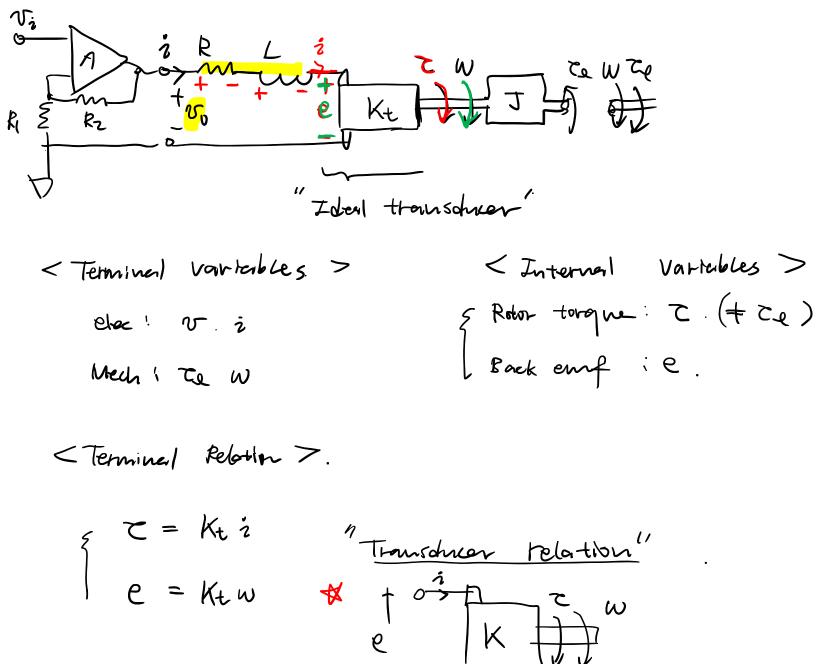
L7 – Brushed DC Motor





. Lassless pour converter

$$P_{\mathbf{n}} = e_{\dot{z}} = (\mathbf{k} \omega)(\frac{z}{\mathbf{k}}) = z\omega$$

$$\sqrt{\frac{1}{2}}$$
 $\sqrt{\frac{1}{2}}$ $\sqrt{\frac$

< Equivalent Mechanical Model >

- 1) Theronin range.
- @ They Impedence

Stall torque
$$\frac{K^2}{L5} = \frac{K^2}{K^2} = \frac{K^2}{L5} = \frac{K^2}{K^2} + \frac{K^2}{K^2} = \frac{K^2}{L5} =$$

th
$$\frac{1}{k} = \frac{k^2}{k}$$

$$\frac{1}{k} = \frac{k^2}{k}$$

$$\frac{1}{k} = \frac{k^2}{k}$$

· Apparent downplug

KVO R VO R

Amensure of goodness.

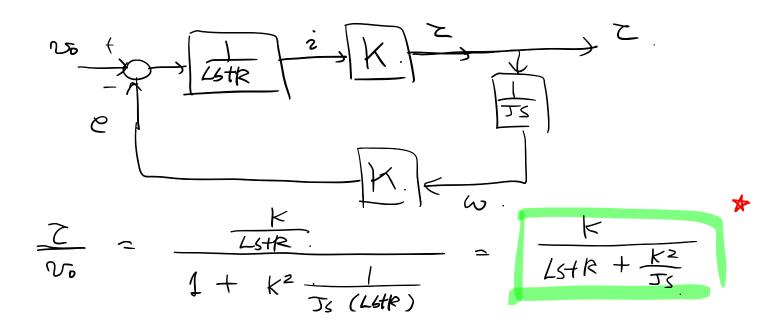
Gradhent " or "Struphiss"

· Apparent Stiffners k2 No significant meaning

Bobe
$$Z_{m} = \frac{K^{2}}{LSTR} + J_{S}$$
 $|Z_{m}|$
 $|Z_$

$$= \frac{Js \cdot K}{K^2 + Js \cdot (LstR)}$$

$$= \frac{K}{Ls + R + \frac{K^2}{Js}} \cdot v_o$$



$$P_{ln} = \nabla i \qquad \nabla = Ri + L \frac{di}{dt} + e.$$

$$P_{in} = Ri^2 + L \frac{di}{dt} i + ei$$

$$P_{loss} \qquad P_{out} = Zw.$$

$$\frac{\angle \frac{d\hat{z}}{dt}\hat{z}}{\det \hat{z}} = \frac{d}{dt} \left(\frac{1}{2} \angle \hat{z}^2 \right)$$
Ploss
$$\frac{1}{2} \operatorname{Pant}$$