



$$2 \cdot \Omega_2(s) (Js^2 + D) = D\Omega_1(s) \Rightarrow \Omega_2(s) = \Omega_1(s) \frac{D}{Js^2 + D}$$

$$1 \cdot \Omega_1(s) (Bs + D) = T(s) \cdot s + D\Omega_2(s) \Rightarrow \Omega_1(s) = \frac{T(s)s + D\Omega_2(s)}{Bs + D}$$

$$\frac{\Omega_1(s)}{T(s)} = \frac{Js^4 + D}{JBs^4 JDs + BD}$$

$$\frac{\Omega_2(s)}{T(s)} = \frac{D}{JBs^4 JDs + BD}$$

9=0(0=0=)[m2] <u>Crivet</u>

C: Specifikt varme [x]

O. Ugntemp [K] Or Plåt temp [K]

Losning

Flödesbalans (5126) Energiflöde [== W]: Āndning av Upplagrad energi per tidsenhet = {Effekt in - Effekt ut}

Energy in platen: $d \cdot S \cdot C \cdot \Theta_1 = [m] \begin{bmatrix} k_3 \\ k_3 \end{bmatrix} \begin{bmatrix}$

 $d \in C \xrightarrow{d_{1}} = O(O_{1}^{4} - O_{1}^{4}) (=) \xrightarrow{d_{1}} = \frac{O}{d^{4}} = \frac{O}{d^{4}} (O_{1}^{4} - O_{1}^{4}) = f(O_{1}, O_{1})$

Vid arbetspunkten O antas Jāmvikt råda ⊖₀,₀ = ⊖ , ⊝₁,₀ = ?

 $f(\Theta_{0,0},\Theta_{1,0})=0$ ty jamuikt

 $\frac{\mathcal{F}}{d\mathcal{F}C}\left(\bigcirc_{0,0}^{4}-\bigcirc_{1,0}^{4}\right)=\bigcirc =>\bigcirc_{0,0}^{4}=\bigcirc_{1,0}^{4}\Rightarrow\bigcirc_{0,0}=\bigcirc_{1,0}=\bigcirc$

Arbipkt $(\Theta_{0,0},\Theta_{1,0})=(\Theta,\Theta)$

Laplace => \frac{dsc}{480} \sigma 506, +08, =08 => \frac{\Delta 6}{\Delta 8} = \frac{\