Sprawozdanie 1

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$$\begin{cases} 0 = Q_g - K_{cw}(T_{wew} - T_{zew}) - K_{cwp}(T_{wew} - T_p) \\ 0 = K_{cwp}(T_{wew} - T_p) - K_{cp}(T_p - T_{zew}) \end{cases}, gdzie\ K_{cwp} = \alpha \cdot K_{cw},\ \alpha = 0.25$$

$$\begin{cases} K_{cw}T_{wew} - K_{cw}T_{zew} + 0.25K_{cw}T_{zew} - 0.25K_{cw}T_p = Q_g \\ 0.25K_{cw}T_{wew} - 0.25K_{cw}T_p - K_{cp}T_p + K_{cp}T_{zew} = 0 \end{cases}$$

$$\begin{cases} K_{cw}T_{wew} + 0.25K_{cw}T_{wew} - 0.25K_{cw}Tp = Q_g + K_{cw}T_{zew} \\ 0.25K_{cw}T_{wew} - 0.25K_{cw}T_p - K_{cp}T_p = -0.25K_{cp}T_{zew} \end{cases}$$

$$\begin{cases} T_{wew}(K_{cw} + 0.25K_{cw}) - T_p(0.25K_{cw}) = Q_g + K_{cw}T_{zew} \\ T_{wew}(0.25K_{cw}) - T_p(0.25K_{cw} - K_{cp}) = -0.25K_{cp}T_{zew} \end{cases}$$

$$\begin{bmatrix} (K_{cw} + 0.25K_{cw}) & -(0.25K_{cw}) \\ 0.25K_{cw} & (0.25K_{cw} - K_{cp}) \end{bmatrix}$$