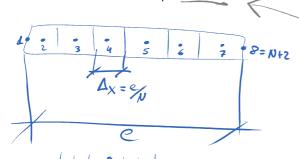
Input data

Physical: e, H, W,
$$\lambda(\tau)$$
, TA, TB, α_A , α_B , $q_v(\tau)$
Normerical: N, S, Tinitial



First code we assume
$$\sum = Constant$$
 $\dot{q}_{conv} = \dot{q}_{cond}$
 $don't need$
 $don't need$

$$\alpha_{A}(T_{A}-T_{P})=-\lambda \frac{JT}{Jx}\Big|_{e}^{2}-\lambda_{e}\frac{T_{E}-T_{P}}{J\rho_{E}}$$

Gauss - Seidel

A [i3 = \lambda (T[i3])

Now the heat flux and

\[
\begin{align*}
\delta_i & \text{ii]}
\end{are defendent from the Temperature}.

\[
\text{Esto lo have miss Tarde...}
\]

max | TEIJ - TEIJ | < 8? No? reculculate

Discretization

Gefficients and Temp.

Final Calculations

$$\frac{\lambda \left(\frac{W}{mk}\right) = -1.176 + 7.915 \cdot 10^{-3} \text{ T}}{1.486 \cdot 10^{-5} \cdot 1^{2}}$$

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$$\frac{\lambda \left(\frac{W}{mk}\right) = -1.176 + 10^{-3}$$

$$\frac{\lambda \left(\frac{W}{mk}\right) = -1.1$$