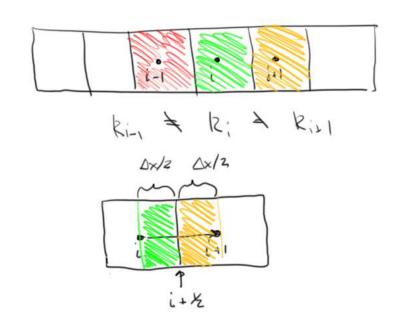
$$T = \begin{cases} -T_{3/2} & -T_{3/2} \\ -T_{3/2} & T_{3/2} + T_{5/2} & -T_{5/2} \\ -T_{7/2} & T_{7/2} & -T_{7/2} \end{cases}$$

$$= \begin{cases} -T_{3/2} & T_{3/2} + T_{7/2} & -T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & -T_{7/2} \end{cases}$$

$$= \begin{cases} -T_{3/2} & T_{3/2} + T_{7/2} & -T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & -T_{7/2} \end{cases}$$

$$= \begin{cases} -T_{3/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{7/2} \\ -T_{7/2} & T_{7/2} & T_{$$



$$g = \frac{k_{i+1} \times A}{M \times M \times M} \left( P_{i+1} - P_i \right) \Rightarrow \left( P_{i+1} - P_i \right) = \frac{g_1 \times g_2}{k_{i+1} \times A}$$

For green
$$(P_{i+r_2} - P_i) = \frac{g \mu B_r \Delta x}{2 k_i A}$$

green + yellow

$$k_{i+1/2} = 2\left(\frac{1}{k_i} + \frac{1}{k_{i+1}}\right)^{-1}$$

Harmonic Avg.

$$\Delta x_{i \rightarrow k} = \frac{\Delta x_{i} + \Delta x_{i+1}}{Z}, \quad k_{i \rightarrow k} = \frac{\frac{\Delta x_{i}}{Z} + \frac{\Delta x_{i+1}}{Z}}{\frac{\Delta x_{i}}{Z k_{i}} + \frac{\Delta x_{i+1}}{Z k_{i+1}}} = \frac{\frac{\Delta x_{i}}{Z} + \frac{\Delta x_{i+1}}{Z}}{\frac{\Delta x_{i}}{Z k_{i}} + \frac{\Delta x_{i+1}}{Z k_{i+1}}} = \frac{\frac{\Delta x_{i}}{Z} + \frac{\Delta x_{i+1}}{Z}}{\frac{\Delta x_{i}}{Z k_{i}} + \frac{\Delta x_{i+1}}{Z k_{i+1}}}$$

$$(P_{i+1} - P_i) = \frac{Q + B_{\omega}}{\sqrt{\frac{\Delta x_i}{k_i A_i}}} + \frac{\Delta x_{i+1}}{k_{i+1} A_{i+1}}) \Rightarrow Q = \frac{1}{\sqrt{\frac{\Delta x_i}{k_i A_i}}} \left(\frac{\frac{\Delta x_i + \Delta x_{i+1}}{\sqrt{\frac{L}{k_i A_i}}}}{\frac{L}{k_i A_i} + \frac{L}{k_{i+1} A_{i+1}}}} (P_{i+1} - P_i)\right)$$

$$T_{i+k} = \left(\frac{1}{\mu B_{\omega}}\right)_{i+k} \left(\frac{k A}{\Delta x}\right)_{i+k}$$

where 
$$\left(\frac{kA}{\Delta x}\right)_{i=1}$$
 =  $\frac{2k_i A_i k_{in} A_{in}}{k_i A_i \Delta x_{in} + k_{in} A_{in}} \Delta x_i$