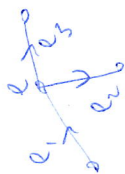


$$\frac{2k_s}{2k_s + 2k_p}$$

$$\frac{\partial \varphi_{i,2}}{\partial x_i} = \begin{cases} \text{in: } 1 \\ \text{out: } -1 \end{cases}$$



2nd edge
 $f_{\text{in}} = f_{\text{out}} = 0$



2nd node

$$f_e = p_e = 0$$



$$\boxed{\frac{w}{f_c} \frac{df_c}{f_c} + \frac{v_c}{f_c} \frac{df_c}{f_c}}$$