

Bilinear

$$W_1 = (1 - L_{1x}/L_x) * (1 - L_{1y}/L_y)$$

$$W_2 = (1 - L_{2x}/L_x) * (1 - L_{2y}/L_y)$$

$$W_3 = (1 - L_{3x}/L_x) * (1 - L_{3y}/L_y)$$

$$W_4 = (1 - L_{4x}/L_x) * (1 - L_{4y}/L_y)$$

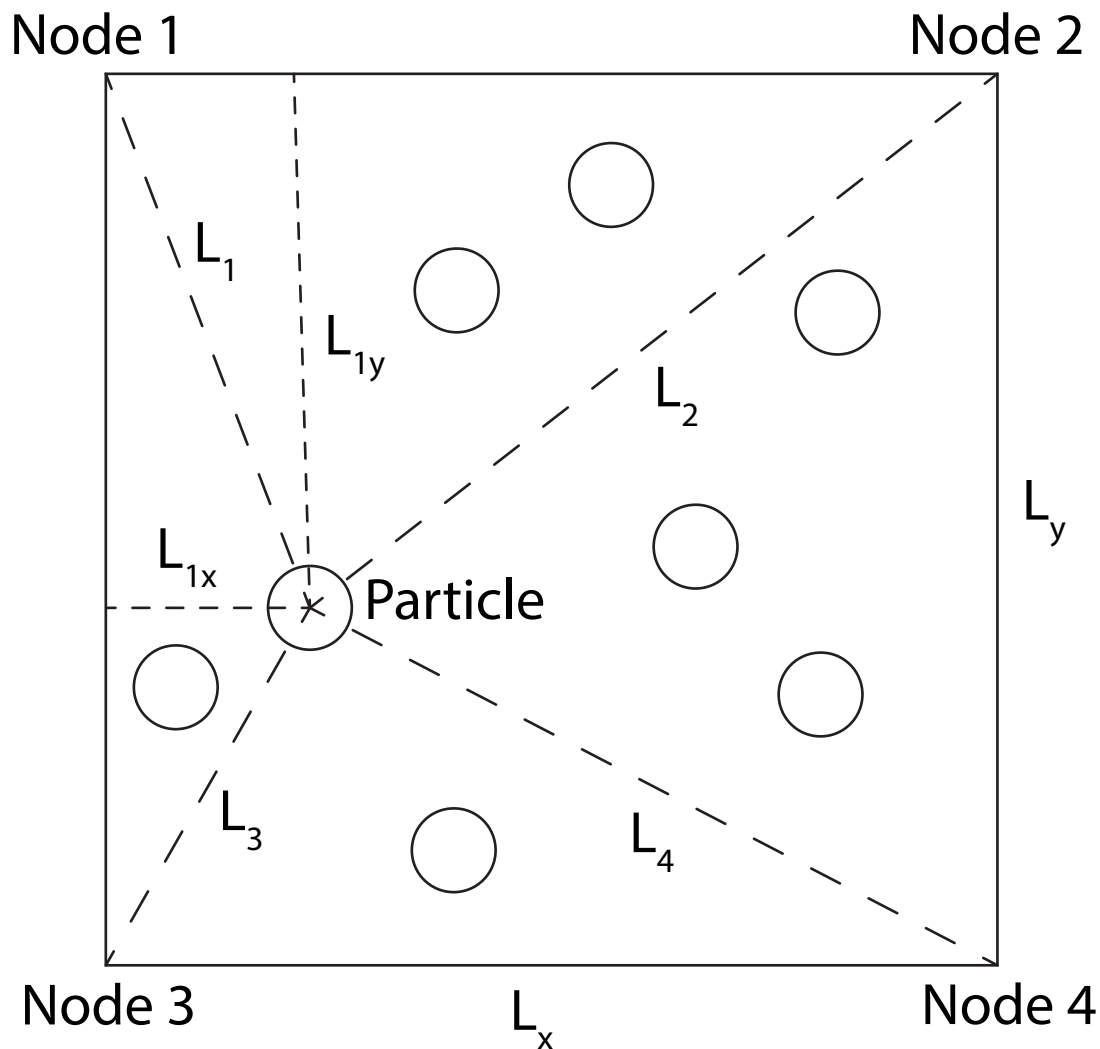
Laplace

$$W_1 = 1/L_1$$

$$W_2 = 1/L_2$$

$$W_3 = 1/L_3$$

$$W_4 = 1/L_4$$



$$F_{\text{Particle}} = (F_{N1} * W_1 + F_{N2} * W_2 + F_{N3} * W_3 + F_{N4} * W_4) / (W_1 + W_2 + W_3 + W_4)$$