$$\varrho_i^2 = r^2 + z_i^2$$

$$\varrho_i'^2 = r^2 + z_i'^2$$

$$z_i = z - \left(a_i + \frac{b_i}{2}\right)$$

$$z_i' = z - \left(a_i + \frac{b_i}{2}\right)$$

$$\varrho_i^2 = r^2 + z_i^2$$

$$\varrho_i'^2 = r^2 + z_i'^2$$

$$E(i,j) = \varrho_i \varrho_j + z_i z_j + r^2$$

$$E(i',j) = E(j,i') = \varrho_i' \varrho_j + z_i' z_j + r^2$$

$$v_{ij} = \frac{1}{4} ln \frac{E(i',j)E(i,j')}{E(i,j)E(i',j')} \qquad (2.9)$$

$$v_{ij} = \lim_{r \to 0} \frac{1}{2} ln \frac{(z_i - z_j')(z_i' - z_j)}{(z_i - z_j)(z_i' - z_j')} \qquad (2.10)$$