$$\left\{ 100 \left( \frac{\text{Pi-Pik}}{\text{Pik}} \right) = \sum_{j=0}^{J-1} \beta_j \left[ f_j(i_{jk}) - f_j(i_{jk}) \right] \right\}$$

$$\left(\frac{\text{Pi-Pik}}{\text{Pik}}\right) = \sum_{j=0}^{J-1} \beta_j \left(\frac{1}{100} \left[f_j(i_j k) - f_j(i_j k)\right]\right)$$