$$diff1 = \frac{\sum_{i=1}^{m} a_{ik}[\sum_{j=1}^{n} a_{ij}u_j - f_i]}{\sqrt{\sum_{i=1}^{m}[\sum_{j=1}^{n} a_{ij}u_j - f_i]^2}} + \frac{h * u_k}{\sqrt{\sum_{j=1}^{n} u_j^2}}$$

$$diff2 = \left(\sum_{i=1}^{m} a_{ik}a_{iq} * \sqrt{\sum_{i=1}^{m}(\sum_{j=1}^{n} a_{ij}u_j - f_i)^2} - \frac{(\sum_{i=1}^{m} a_{iq}[\sum_{j=1}^{n} a_{ij}u_j - f_i]) * (\sum_{i=1}^{m} a_{ik}[\sum_{j=1}^{n} a_{ij}u_j - f_i])}{\sqrt{\sum_{i=1}^{m}(\sum_{j=1}^{n} a_{ij}u_j - f_i)^2}}\right) *$$
$$\frac{1}{\sum_{i=1}^{m}(\sum_{j=1}^{n} a_{ij}u_j - f_i)^2} + \frac{h}{\sum_{j=1}^{n} u_j^2} * \left(\delta_{k,q} * \sqrt{\sum_{j=1}^{n} u_j^2} - \frac{u_q u_k}{\sqrt{\sum_{j=1}^{n} u_j^2}}\right)$$