$$\begin{cases}
\frac{\partial x^{2}}{\partial a_{0}} & \frac{\partial x^{2}}{\partial a_{0}} \\
\frac{\partial x^{2}}{\partial a_{0}} & \frac{\partial x^{2}}{\partial a_{1}}
\end{cases}$$

$$= \left[\frac{\partial x^{2}}{\partial a_{0}} + \frac{\partial x^{2}}{\partial a_{1}} \right]$$

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$$a_0 = \frac{y}{m} \underbrace{\hat{\mathcal{E}}}_{i=1}^{i} y_i - \frac{a_i}{m} \underbrace{\hat{\mathcal{E}}}_{i=1}^{i} x_i = \bar{y} - a_i \bar{x}$$

$$\sum_{i=1}^{m} y: X^{2} - Q_{0} \sum_{i=1}^{m} X_{i} - Q_{i} \sum_{i=1}^{m} x:^{2} = 0$$

$$a_1 \overset{\mathcal{C}}{\underset{i=1}{\leftarrow}} x_i^2 - \overset{\mathcal{C}}{\underset{i=1}{\leftarrow}} y_i \lambda_i + \begin{bmatrix} -1 & \overset{\mathcal{C}}{\underset{i=1}{\leftarrow}} y_i + \alpha_i \left(\frac{1}{m} \overset{\mathcal{C}}{\underset{i=1}{\leftarrow}} x_i \right) \end{bmatrix} \begin{pmatrix} \overset{\mathcal{C}}{\underset{i=1}{\leftarrow}} \chi_i \end{pmatrix}$$

$$Q: = \underbrace{\sum_{i=1}^{m} y_i x_i}_{i=1} \cdot \underbrace{\sum_{i=1}^{m} y_i}_{i} \cdot \underbrace{\sum_{i=1}^{m} y_i}_{i} \cdot \underbrace{\sum_{i=1}^{m} x_i}_{i}$$

$$D_{\chi}^{2}(q_{0}, q_{1}, q_{2}) = \left[\frac{\partial \chi^{2}}{\partial q_{0}}, \frac{\partial \chi^{2}}{\partial q_{0}}, \frac{\partial \chi^{2}}{\partial q_{z}}, \frac{\partial \chi^{2}}{\partial q_{z}}\right] = \left[0, 0, 0\right]$$

$$= \left[-2\sum_{i=1}^{2} \left(y_{i} - a_{0} - a_{1} \chi_{i} - a_{1} \chi_{i}^{2}\right) - 2\sum_{i=1}^{2} \left(y_{i} - a_{0} - a_{i} \chi_{i} - a_{2} \chi_{i}^{2}\right) \chi_{i}^{2}\right]$$

$$-2\underbrace{\underbrace{\underbrace{S}}_{i=1}}^{m}\left(y_{i}-\sigma_{0}-\sigma_{1}X_{i}^{*}-\sigma_{2}X_{i}^{2}\right)\left(x_{i}^{*}\right)=\left[0,0,0\right]$$

$$-2\left(\sum_{i=1}^{m} y_{i} - a_{0} - a_{1} x_{i} - a_{2} x_{i}^{2}\right) = 0$$

$$-2\left(\sum_{i=1}^{m} y_{i}^{2} - a_{0} - a_{1} x_{i}^{2} - a_{2} x_{i}^{3}\right) = 0$$

$$-2\left(\sum_{i=1}^{m} y_{i}^{2} - a_{0} x_{i}^{2} - a_{1} x_{i}^{3} - a_{2} x_{i}^{3}\right) = 0$$

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$$\begin{cases} \mathcal{E} & y_{3} = \sum_{i=1}^{n} d_{0} + a_{1} x_{i} + a_{2} x_{2}^{2} \\ \mathcal{E} & y_{1} x_{2} = \sum_{i=1}^{n} a_{0} x_{i} + a_{1} x_{i}^{2} + a_{2} x_{i}^{3} \\ \mathcal{E} & y_{1} x_{2} = \sum_{i=1}^{n} a_{0} x_{i}^{2} + a_{1} x_{i}^{3} + a_{2} x_{i}^{3} \end{cases}$$

$$\frac{1}{1} \begin{pmatrix} 1 \\ 1 \end{pmatrix} = \underbrace{\left(\frac{1}{1} - M(x_1, 0) \right)^2}_{q=1} \qquad 0$$

$$\frac{\partial x^{2}(\vec{0})}{\partial D_{i}} = \frac{\pi}{2} \left(y_{i} - M(x_{i}, \vec{0}) \right) \left(\frac{-\partial M(x_{i}, \vec{0})}{\partial D_{i}} \right)$$

$$= -2 \left(y_{i} - M(x_{i}, \vec{0}) \right) \frac{\partial M(x_{i}, \vec{0})}{\partial D_{i}}$$

$$= -2 \left(y_{i} - M(x_{i}, \vec{0}) \right) \frac{\partial M(x_{i}, \vec{0})}{\partial D_{i}}$$

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$$\varphi_{j+1} = \vec{\sigma}_j - 1 \left(-2 \underbrace{\xi}_{i=1} \left(y_i - M(\chi_i, \vec{\sigma}_j) \right) \left(\frac{\partial M(\chi_i, \vec{\sigma}_i)}{\partial \varphi_o}, \frac{\partial M(\chi_i, \vec{\sigma}_j)}{\partial \varphi_o} \right) \frac{\partial M(\chi_i, \vec{\sigma}_j)}{\partial \varphi_o}$$

$$\frac{\partial \mathcal{M}(\mathcal{A}, \mathcal{O}_{2})}{\partial \mathcal{O}_{2}}$$

or time

$$\vec{\mathcal{D}}_{j+1} = \vec{\mathcal{D}}_{j} - \Upsilon\left(-2 \underbrace{\mathcal{E}}_{j-1} \left(\gamma_{i} - M(\gamma_{i}, \vec{\mathcal{O}}_{j})\right) \nabla M\left(\chi_{i}, \vec{\mathcal{O}}_{j}\right)\right)$$