$$\begin{aligned} & = \sum (r_{0i} - p_{0}^{2} q_{i}^{2})^{2} + \lambda (||p_{0}^{2}||^{2} + ||q_{i}^{2}||^{2}) \\ & = e_{0i}^{2} + \lambda (||p_{0}^{2}||^{2} + ||q_{i}^{2}||^{2}) \\ & = \frac{d(e_{0i}^{2})}{dp_{0}^{2}} + \frac{d(\lambda ||p_{0}^{2}||^{2} + ||q_{i}^{2}||^{2})}{dp_{0}^{2}} + \frac{d(\lambda ||p_{0}^{2}||^{2} + ||q_{i}^{2}||^{2})}{dp_{0}^{2}} + \frac{d(\lambda ||p_{0}^{2}||^{2})}{dp_{0}^{2}} + \frac{d(\lambda ||p_{0}^{2}||$$

$$L = \frac{\lambda(|\vec{p}_0| - \mu - b_0 - b_1 - \vec{p}_0 \vec{q}_1^2)^2 + \lambda(||\vec{p}_0||^2 + ||\vec{q}_1||^2 + b_0^2 + b_1^2)}{Co_1 = (b_1 - \mu - b_0 - b_1 - \vec{p}_0 \vec{q}_1^2)}$$