c)
$$\chi^{2}(\vec{\theta}) = \sum_{i=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\sigma_{i}}\right)^{2} d_{ondk}$$
 $M = \frac{\theta_{o}}{\theta_{i} + e^{\theta_{o}}\chi}$
 $\chi^{2}(\vec{\theta}) = \sum_{i=1}^{N} \left(\frac{y_{i} - (\frac{\theta_{o}}{\theta_{i} + e^{\theta_{o}}\chi_{i}})^{2}}{\theta_{i}}\right)^{2} d_{ondk}$ $M = \frac{\theta_{o}}{\theta_{i} + e^{\theta_{o}}\chi}$
 $\chi^{2}(\vec{\theta}) = \sum_{i=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{i}}\right)^{2} d_{ondk}$ $M = \frac{\theta_{o}}{\theta_{i} + e^{\theta_{o}}\chi_{i}}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$ $\frac{\partial M}{\partial \theta_{i}} d_{ondk}$
 $\chi_{i} = d_{ondk}$ $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$ $\frac{\partial M}{\partial \theta_{i}} d_{ondk}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$ $\frac{\partial M(\chi_{i}, \vec{\theta})}{\partial \theta_{i}}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$ $\frac{\partial M(\chi_{i}, \vec{\theta})}{\partial \theta_{i}}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$ $\frac{\partial M(\chi_{i}, \vec{\theta})}{\partial \theta_{i}}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$ $\frac{\partial M(\chi_{i}, \vec{\theta})}{\partial \theta_{i}}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$ $\frac{\partial M(\chi_{i}, \vec{\theta})}{\partial \theta_{i}}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$
 $\frac{\partial \chi^{2}(\vec{\theta})}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$
 $\frac{\partial \chi^{2}(\vec{\theta)}}{\partial \theta_{i}} = -2 \sum_{j=1}^{N} \left(\frac{y_{i} - M(\chi_{i}, \vec{\theta})}{\theta_{o}}\right)^{2} d_{ondk}$
 $\frac{\partial \chi^{2}$

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