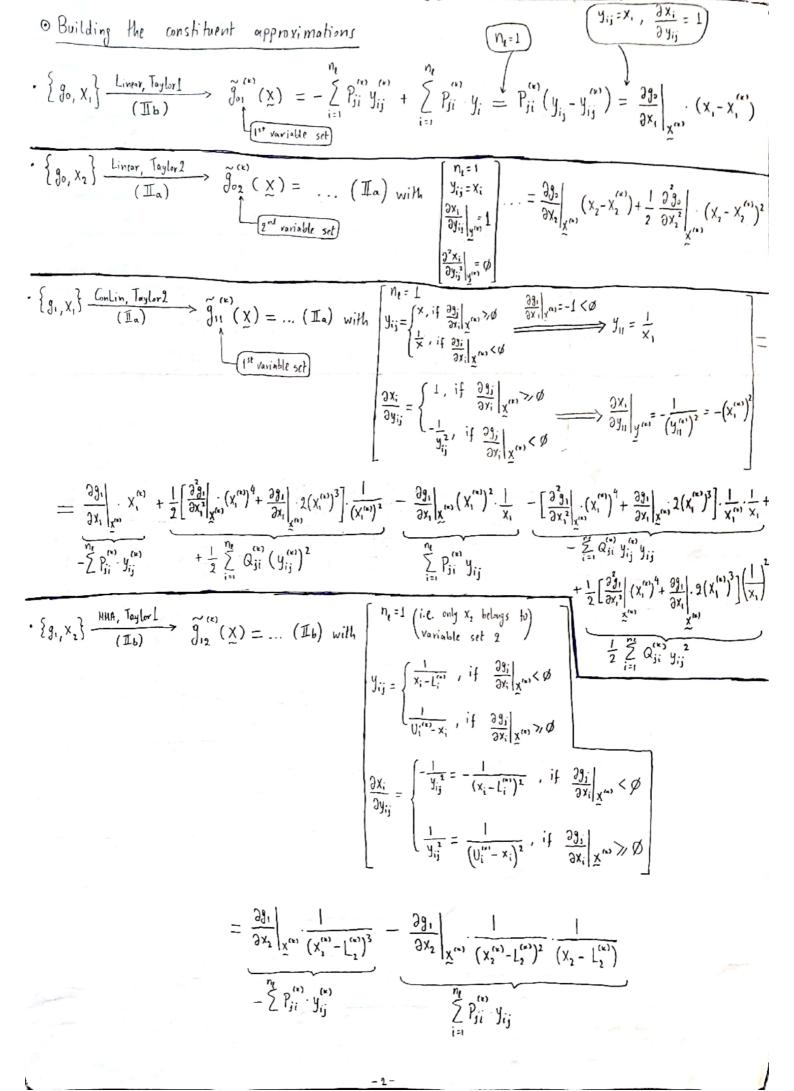


Scanned with CamScanner



$$\frac{\left\{g_{o}, x_{i}\right\}}{\left(\mathbb{IL}_{b}\right)} \xrightarrow{\text{Linear, Taylor1}} \frac{\partial \widetilde{g}_{o}^{(k)}}{\partial x_{i}}(\underline{x}) = \dots \left(\mathbb{IL}_{b}\right) \text{ with } \begin{bmatrix} \frac{y_{ij} = x_{i}}{\partial y_{ij}} = 1\\ \frac{\partial y_{ij}}{\partial y_{ij}} = 1 \end{bmatrix} \dots = \frac{\partial g_{o}}{\partial x_{i}} \Big|_{\underline{x}^{(k)}}$$

$$\frac{\left\{g_{0}, \chi_{2}\right\} - \frac{\text{Linear, Taylor2}}{\left(\mathbb{H}_{a}\right)} > \frac{\partial \widetilde{g}_{0}^{(\kappa)}}{\partial \chi_{2}} \left(\widetilde{\chi}\right) = \dots \left(\mathbb{H}_{a}\right) \text{ with } \left[\frac{g_{ij} = \chi_{i}}{\partial y_{ij}}\right] = 1 \\
\frac{\partial \widetilde{g}_{0}}{\partial y_{ij}} = 1 \\
\frac{\partial \widetilde{g}_{0}}{\partial y_{ij}} = 1 \\
\frac{\partial \widetilde{g}_{0}}{\partial y_{ij}} = 0$$

$$\begin{array}{l} \cdot \left\{ \left. \overrightarrow{g_{1}}, \, X_{1} \right\} \xrightarrow{\text{ConLin}, \, \text{Taylor 2}} \right\} \xrightarrow{\left. \frac{\partial \widetilde{g}_{1}^{(k)}}{\partial X_{1}} \right\}} \underbrace{\left(X \right) = \dots \left(\mathbb{H}a \right) \text{ with }}_{\left. \frac{\partial y_{11}}{\partial X_{1}} \right|_{\frac{N}{2}} \left(x_{1}^{(k)} \right)^{2}} = \frac{1}{2} \left(x_{1}^{(k)} \right)^{2} \\ \left. \frac{\partial y_{11}}{\partial y_{11}} \right|_{\frac{N}{2}} \left(x_{1}^{(k)} \right)^{2} \\ \left. \frac{\partial^{2} X_{1}}{\partial y_{11}^{(k)}} \right|_{\frac{N}{2}} \left(x_{1}^{(k)} \right)^{2} = 2 \left(x_{1}^{(k)} \right)^{3} \end{array} \right\}$$

$$=\frac{\frac{\partial \mathfrak{J}_{1}}{\partial x_{i}}\Big|_{X^{(a)}}}{\frac{\partial x_{i}}{\partial y_{i}}\Big|_{Y^{(a)}}}-\frac{\frac{\partial y_{i}}{\partial x_{i}}}{\frac{\partial x_{i}}{\partial x_{i}}}\Big|_{X^{(a)}}\cdot\left(\frac{\frac{\partial x_{i}}{\partial y_{i}}\Big|_{Y^{(a)}}}{\frac{\partial y_{i}}{\partial y_{i}}}\Big|_{Y^{(a)}}}\right)^{2}+\frac{\frac{\partial \mathfrak{J}_{1}}{\partial y_{i}}\Big|_{X^{(a)}}}{\frac{\partial y_{i}}{\partial y_{i}}\Big|_{Y^{(a)}}}\Big|_{Y^{(a)}}\cdot\frac{\frac{\partial y_{i}}{\partial y_{i}}\Big|_{Y^{(a)}}}{\frac{\partial y_{i}}{\partial y_{i}}\Big|_{Y^{(a)}}}\Big|_{Y^{(a)}}+\frac{\frac{\partial y_{i}}{\partial y_{i}}\Big|_{Y^{(a)}}}{\frac{\partial y_{i}}{\partial y_{i}}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big|_{Y^{(a)}}\Big$$

$$=\frac{\partial J_{1}}{\partial x_{1}}\Big|_{X_{1}^{(\alpha)}}\frac{\partial J_{1}}{\partial x_{2}}\Big|_{X_{1}^{(\alpha)}}\left(\frac{\left(X_{1}-L_{1}^{(\alpha)}\right)_{1}}{\partial x_{1}}\right)\Big|_{X_{1}^{(\alpha)}}\left(\frac{\left(X_{1}-L_{1}^{(\alpha)}\right)_{1}}{\partial x_{2}}\right)\Big|_{X_{1}^{(\alpha)}}\left(\frac{\partial J_{1}}{\partial x_{1}}\Big|_{X_{1}^{(\alpha)}}\left(\frac{\partial J_{1}}{\partial x_{1}}\Big|_{X_{1}^{(\alpha)}}-1<\varnothing\right)\Big|_{X_{1}^{(\alpha)}}\right)^{2}$$

$$=\frac{\partial J_{1}}{\partial x_{1}}\Big|_{X_{1}^{(\alpha)}}\frac{\partial J_{1}}{\partial x_{1}}\Big|_{X_{1}^{(\alpha)}}\left(\frac{\partial J_{1}}{\partial x_{1}}\Big|_{X_{1}^{(\alpha)}}-1<\varnothing\right)\Big|_{X_{1}^{(\alpha)}}$$

$$=\frac{\partial J_{1}}{\partial x_{1}}\Big|_{X_{1}^{(\alpha)}}\frac{\partial J_{1}}{\partial x_{1}}\Big|_{X_{1}^{(\alpha)}}-1<\varnothing\right)$$

bii . 3A!!