

$$\text{conv } \mathbb{K} \xrightarrow[\text{stet diff}]{\underline{\nu}} \mathbb{L}$$

$$\underline{\nu} \in \mathbb{C}|\mathbb{L}: \overline{\mathbb{L} - {}^h\underline{\nu}} < \overline{\mathbb{L}^{-1}}^{-1} \left(\overline{I - {}^h\underline{\nu}} < 1 \right)$$

$$\Rightarrow \begin{cases} {}^h\underline{\nu} \in \mathbb{C}|\mathbb{L} \\ \mathbb{K} \xrightarrow[\text{inj}]{\underline{\nu}} \mathbb{L} \end{cases}$$

$$\overline{I - {}^h\underline{\nu}\mathbb{L}^{-1}} = \overline{\mathbb{L} - {}^h\underline{\nu}\mathbb{L}^{-1}} \leq \overline{\mathbb{L} - {}^h\underline{\nu}} \overline{\mathbb{L}^{-1}} < 1 \xrightarrow[\text{Neu}]{\Rightarrow} {}^h\underline{\nu}\mathbb{L}^{-1} \in \mathbb{C}|\mathbb{L} \Rightarrow {}^h\underline{\nu} \in \mathbb{C}|\mathbb{L}$$

$$\mathbb{K} \xrightarrow[\text{stet diff}]{I - \underline{\nu}\mathbb{L}^{-1}} \mathbb{L}: \overline{I - \underline{\nu}\mathbb{L}^{-1}} = \overline{I - {}^h\underline{\nu}\mathbb{L}^{-1}}$$

$$\overline{I - \underline{\nu}\mathbb{L}^{-1}} = \overline{I - {}^h\underline{\nu}\mathbb{L}^{-1}} \Rightarrow \overline{I - \underline{\nu}\mathbb{L}^{-1}} = \overline{I - {}^h\underline{\nu}\mathbb{L}^{-1}} < 1$$

$$\mathfrak{h} \in \mathbb{K} \ni \mathfrak{h}: \mathfrak{h}\underline{\nu} = \mathfrak{h}\underline{\nu} \Rightarrow \text{cpt } \mathfrak{h}|\mathfrak{h} \subset \mathbb{K} \xrightarrow[\text{EWS}]{\text{stet}} \overline{\mathfrak{h}|\mathfrak{h} \cdot \overline{I - \underline{\nu}\mathbb{L}^{-1}}} < 1$$

$$\nexists \mathfrak{h} \neq \mathfrak{h} \Rightarrow \overline{\mathfrak{h} - \mathfrak{h}} = \overline{\mathfrak{h} - \mathfrak{h} + \underbrace{\mathfrak{h}\underline{\nu} - \mathfrak{h}\underline{\nu}}_{=0}\mathbb{L}^{-1}} = \overline{\mathfrak{h} - \mathfrak{h}\underline{\nu}\mathbb{L}^{-1} - \mathfrak{h} - \mathfrak{h}\underline{\nu}\mathbb{L}^{-1}}$$

$$= \overline{\mathfrak{h}\underline{\nu}\mathbb{L}^{-1} - \mathfrak{h}\underline{\nu}\mathbb{L}^{-1}} \leq \overline{\mathfrak{h} - \mathfrak{h}} \overline{\mathfrak{h}|\mathfrak{h} \cdot \overline{I - \underline{\nu}\mathbb{L}^{-1}}} < \overline{\mathfrak{h} - \mathfrak{h}} \nexists$$