

$$\mathbb{C}^d \supset \mathfrak{h} \text{ bd domain}$$

$$\mathfrak{z} \in \mathfrak{h} \begin{array}{c} \nearrow \\ \searrow \end{array} \mathfrak{h}$$

$$\text{Def}_{0 \leqslant j} \text{ iterates } \begin{cases} \mathfrak{z}^0 & = \mathfrak{z} \\ \mathfrak{z}^{j+1} & = \mathfrak{z} \ltimes \mathfrak{z}^j \end{cases}$$

$${}^o\mathfrak{z} = o \in \mathfrak{h} \Rightarrow \begin{cases} {}^o\mathfrak{z}^j = {}^o\mathfrak{z}^j \\ \overline{\det {}^o\mathfrak{z}} \leqslant 1 \\ \overline{\det {}^o\mathfrak{z}} = 1 \Rightarrow \mathfrak{z} \text{ bihol} \\ {}^o\mathfrak{z} = \imath \Rightarrow \mathfrak{z} = \imath \end{cases}$$

$$\mathfrak{h} \text{ bes strict ps-convex } \mathfrak{z} \in \mathcal{U} | \mathfrak{h} \Rightarrow \bigvee_{\text{smooth ext}} \tilde{\mathfrak{z}} \in \mathcal{U} | \bar{\mathfrak{h}}$$

$$\begin{cases} {}^o\tilde{\mathfrak{z}} = o \in \partial \mathfrak{h} \\ {}^o\tilde{\mathfrak{z}} = \imath \end{cases} \Rightarrow \mathfrak{z} = \imath$$

$$\mathfrak{h} \neq \text{ ball } \Rightarrow \mathcal{U} | \mathfrak{h} \text{ cpt}$$