$$\mathbb{C}^{o}_{\underset{\leqslant}{r}} = \frac{z \in \mathbb{C}}{z \wr o = \ulcorner z - o \urcorner \leqslant r}$$

$$\mathbb{C}^{o}_{\underset{<}{r}} = \frac{z \in \mathbb{C}}{z \wr o = \ulcorner z - o \urcorner < r}$$

$$U \underset{\text{off}}{\subsetneq} \mathbb{C} \Leftrightarrow \bigwedge_{z \in U} \bigvee_{r > 0} \mathbb{C}^{z}_{\underset{<}{r}} \subset U$$

$$\mathbb{C}^{o}_{\underset{<}{R}} \subsetneq \mathbb{C}$$

$$z \in \mathbb{C}^{o}_{\underset{<}{R}} \Rightarrow z \wr o < R \Rightarrow R - z \wr o > 0$$

$$\mathbb{C}^{z}_{\underset{<}{R - z \wr o}} \subset \mathbb{C}^{o}_{\underset{<}{R}}$$

$$\acute{z} \in \mathbb{C}^{z}_{\underset{<}{R - z \wr o}} \Rightarrow \acute{z} \wr z < R - z \wr o \Rightarrow \acute{z} \wr o \underset{\text{trans}}{\leqslant} \underbrace{\acute{z} \wr z}_{< R - z \wr o} + z \wr o < R$$

$$A \underset{\text{abg}}{\sqsubset} \mathbb{C} \Leftrightarrow \mathbb{C} \llcorner A \subsetneq \mathbb{C}$$

$$C \underset{\text{off-abg}}{\subsetneq} \mathbb{C} \Leftrightarrow C \subsetneq \mathbb{C} \sqsubset C$$

$$\varnothing \subsetneq \mathbb{C} \supset \mathbb{C} \begin{cases} U_i \subsetneq \mathbb{C} & \Rightarrow \bigcup_i U_i \subsetneq \mathbb{C} \\ A_i \sqsubset \mathbb{C} & \Rightarrow \bigcap_i A_i \sqsubset \mathbb{C} \end{cases} \begin{cases} U_n \subsetneq \mathbb{C} & \Rightarrow \bigcap_n U_n \subsetneq \mathbb{C} \\ A_n \sqsubset \mathbb{C} & \Rightarrow \bigcup_n A_n \sqsubset \mathbb{C} \end{cases}$$

$$\subsetneq: \quad z \in \bigcup_i U_i \Rightarrow \bigvee_{j \in I} z \in U_j \Rightarrow \bigvee_{r > 0} \mathbb{C}^{z}_{\underset{<}{r}} \subset U_j \subset \bigcup_i U_i \Rightarrow \mathbb{C}^{z}_{\underset{<}{r}} \subset U_j \subset \bigcup_i U_i$$

$$\sqsubset: \quad \mathbb{C} \llcorner A_i \subsetneq \mathbb{C} \Rightarrow \mathbb{C} \llcorner \overbrace{\bigcap_i A_i} = \bigcup_i \overbrace{\mathbb{C} \llcorner A_i} \subsetneq \mathbb{C} \Rightarrow \bigcap_i A_i \sqsubset \mathbb{C}$$

Folg-Krit / $\quad A \sqsubset \mathbb{C} \Leftrightarrow \bigwedge_{\text{Folgen}} A \ni {}^{n}\iota \rightsquigarrow {}^{\infty}\iota \in \mathbb{C} \curvearrowright {}^{\infty}\iota \in A$