

$$Z \in {}^m\mathbb{C}_{2m} \Rightarrow Z \sim {}^m\mathbb{C}_m^{\mathbb{C}} Z$$

$$Z \in {}^{2m}\mathbb{C}_{2m}^{\mathbb{C}}$$

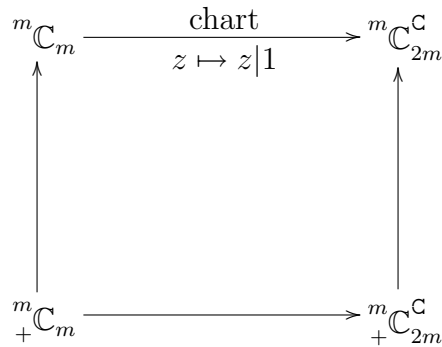
$${}^m\mathbb{C}_{2m}^{\mathbb{C}} \supset {}^m\mathbb{C}_{2m}^{\mathbb{C}} = \frac{Z \in {}^m\mathbb{C}_{2m}^{\mathbb{C}}}{\det \frac{Z}{\bar{Z}} > 0} = {}^m\mathbb{C}_m^{\mathbb{C}} \cap {}^{2m}\mathbb{R}_{2m}^{\mathbb{C}} \text{ open orbit}$$

$$g \in {}^m\mathbb{C}_m^{\mathbb{C}} \Rightarrow \det \frac{gZ}{g\bar{Z}} = \det \begin{array}{c|c} g & 0 \\ \hline 0 & \bar{g} \end{array} \frac{Z}{\bar{Z}} = \sqrt{\det g} \det \frac{Z}{\bar{Z}} > 0$$

$${}^m\mathbb{C}_m = \frac{z \in {}^m\mathbb{C}_m}{\det z + \bar{z} > 0} = i {}^m\mathbb{R}_m + {}^m\mathbb{R}_m$$

$${}^m\mathbb{R}_m \supset \Omega = {}^m\mathbb{R}_m = \frac{x \in {}^m\mathbb{R}_m}{\det x > 0}$$

${}^m\mathbb{R}_{2m}^{\mathbb{C}}$  Shilov boundary



$${}^m\mathbb{C}_{2m}^{\mathbb{C}} \blacktriangleleft {}^m\mathbb{C}_m \blacktriangleright L^{-\nu} \binom{m}{2}$$