$$\mathbb{h}_{\mathbb{R}}^{\mathbb{R}} = \mathsf{C}|\, \underset{>}{X}^{\mathbb{C}} \text{ symm tube dom}$$

$$\mathbb{h}_{\mathbb{R}}^{\mathbb{R}} \sqsupset {}^{\infty}\mathbb{h}_{\mathbb{R}}^{\mathbb{R}} = \mathbb{h}_{\wp}^{\wp} N \text{ affine parabolic}$$

$${}^{\infty}\mathbb{h}_{\mathbb{R}}^{\mathbb{R}} \sqsupset L = {}^{\infty:0}\mathbb{h}_{\mathbb{R}}^{\mathbb{R}} \text{ Levi}$$

$$\mathfrak{n} \rtimes L \xrightarrow[\text{fin orb}]{} \mathfrak{n}$$

$$\mathfrak{n}^{\sharp} \xleftarrow[\text{fin orb}]{} L \ltimes \mathfrak{n}^{\sharp}$$

$$\chi \in \overset{\sharp}{L} \text{ char}$$

$$\mathbb{C}\underset{m}{\triangledown} L \ltimes \nu \asymp \frac{{}_{\sharp}\mathfrak{l} \in {}^{\mathfrak{n}}\underset{-\infty}{\triangle}\mathbb{C}}{\mathfrak{l} \in \mathbb{C}\underset{m}{\triangledown} L \ltimes \nu} = \frac{\mathfrak{l} \in {}^{\mathfrak{n}}\underset{m}{\overset{2}{\triangle}}\mathbb{C}}{\mathrm{Trg}\ {}^{\sharp}\mathfrak{l} \in L \ltimes \nu}$$

$$0 \geqslant p{:}q$$

$$p + q \leqslant r$$

$$\mathfrak{n} = iX$$

$$\mathfrak{n}^{\sharp} = X^{\sharp}$$

$$X_{p:q}^{\sharp} = L \ltimes \nu_{p:q}$$

$$\mathbb{C}\underset{m}{\triangledown} X_{p:q}^{\sharp} \asymp \frac{{}_{\sharp}\mathfrak{l} \in {}^{\mathfrak{n}}\underset{-\infty}{\triangle}\mathbb{C}}{\mathfrak{l} \in \mathbb{C}\underset{m}{\triangledown} X_{p:q}^{\sharp}} = \frac{\mathfrak{l} \in {}^{\mathfrak{n}}\underset{m}{\overset{2}{\triangle}}\mathbb{C}}{\mathrm{Trg}\ {}^{\sharp}\mathfrak{l} \in X_{p:q}^{\sharp}}$$

$$\bar{C} \sqsupset \bar{C}_{\infty:0} = G_e$$

$$\mathbb{C}\underset{m}{\triangledown} X_{p:q}^{\sharp} \downharpoonleft {}^{G_e \neg G}\underset{\infty}{\triangle}\mathbb{C}\ \mathrm{Ind}_{P}^{\mathbb{G}}(\chi) \text{ Shilov subrep}$$

$$S\underset{m}{\overset{2}{\triangle}}\mathbb{C} = \frac{\left(\gamma_1 + \cdots + \gamma_r\right)(p-q)\,a/4 + \Sigma\vartheta_j\gamma_j}{\vartheta_1 \geqslant \cdots \geqslant \vartheta_r} K \text{ types}$$

$$\mathbb{C}\underset{m}{\triangledown} X_{p:q}^{\sharp} = \frac{\left(\gamma_1 + \cdots + \gamma_r\right)(p-q)\,a/4 + \Sigma\vartheta_j\gamma_j}{\vartheta_1 \geqslant \cdots \geqslant \vartheta_p = 0_{p+1} = \cdots = 0_{n-q} \geqslant \vartheta_{n-q+1} \geqslant \cdots \geqslant \vartheta_r} K \text{ types}$$

$$\varkappa_1 \geqslant \cdots \varkappa_p \geqslant \overbrace{-a\,(p-q)\,/4}^{r-p-q} \geqslant \varkappa_{r+1-q} \geqslant \cdots \geqslant \varkappa_r$$

$${}^{e-ix}\Delta^{-ap/2}\ {}^{e+ix}\Delta^{-aq/2} \in (K)_{\left(\gamma_1 + \cdots + \gamma_r\right) a\,(p-q)\,/4}$$

$$S^{\mathbb{C}} = P^{\mathbb{C}} \neg G^{\mathbb{C}} = \overset{\times}{X}^{\mathbb{C}} \ \mathrm{inv}$$