

$$\begin{array}{ccc}
\Theta|1 & \ni & 1 \\
\downarrow \exp & & \downarrow \\
C|1 \setminus \mathbb{R} & \ni & \exp t 1
\end{array}$$

$$\Theta|1 = \frac{1 \xleftarrow{\mathcal{D}_v} \mathcal{D}_{\text{hull}} 1}{\bigwedge_{0 \neq n} \mathcal{L}_n := \overline{I - \mathcal{L}/n} \in \mathfrak{U}|1 \text{ bes : } \bigwedge_{1 \leq m} \overline{\mathcal{L}_m^n} = \overline{I - \mathcal{L}/n}^n \leq C \text{ equi-bes}}$$

$$0 \leq t \xrightarrow[\text{s-stet}]{\text{s-group}} \mathcal{V}^{xt} \underset{n \rightarrow \infty}{\sim} {}^t \mathfrak{e}^{\varkappa} \mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}$$

$$\begin{aligned}
& \mathcal{V}^t \mathcal{V}^{-t} - {}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}} - {}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}} \leq \\
& \underbrace{\mathcal{V}^t - {}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}}} \simeq 0 + \underbrace{{}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}} - {}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}}} \leq C \simeq 0 \\
& \Rightarrow \mathcal{V}^t \mathcal{V}^{-t} \leq {}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}} - {}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}} \\
& \Rightarrow \mathcal{V}^t \mathcal{V}^{-t} \simeq {}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}} - {}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}} \leq {}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}} - {}^t \mathfrak{e}^{\mathcal{L}^{\overline{-1}} \mathcal{V}^{-t}} \leq C^2 \mathcal{V}^{-t}
\end{aligned}$$

$$\underbrace{\mathcal{V}^s \mathcal{V}^{-s}}_{\text{s-stet s-group}} \underbrace{\mathcal{V}^t \mathcal{V}^{-t}}_{\text{s-stet s-group}} = \mathcal{V}^{s+t} \mathcal{V}^{-(s+t)}$$

$$\begin{aligned} & \mathcal{L} \overset{-1}{\cancel{I - \mathcal{L}/m}} \mathcal{L} \overset{-1}{\cancel{I + \mathcal{L}/n}} = \mathcal{L} \overset{-1}{\cancel{I + \mathcal{L}/n}} \mathcal{L} \overset{-1}{\cancel{I - \mathcal{L}/m}} \\ \Rightarrow & s_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I - \mathcal{L}/m}} - t_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I + \mathcal{L}/n}} = -t_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I + \mathcal{L}/n}} s_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I - \mathcal{L}/m}} \\ \Rightarrow & \underbrace{\mathcal{V}^s \mathcal{V}^{-s}}_{\text{s-stet s-group}} \underbrace{\mathcal{V}^t \mathcal{V}^{-t}}_{\text{s-stet s-group}} \rightsquigarrow \underbrace{s_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I - \mathcal{L}/n}} - t_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I + \mathcal{L}/n}}}_{\text{s-stet s-group}} \\ & t_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I - \mathcal{L}/n}} - t_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I + \mathcal{L}/n}} = \underbrace{s_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I - \mathcal{L}/n}} t_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I - \mathcal{L}/n}}}_{\text{s-stet s-group}} - \underbrace{s_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I + \mathcal{L}/n}} - t_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I + \mathcal{L}/n}}}_{\text{s-stet s-group}} \\ = & s + t_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I - \mathcal{L}/n}} - s - t_{\mathfrak{e}} \mathcal{L} \overset{-1}{\cancel{I + \mathcal{L}/n}} \rightsquigarrow \mathcal{V}^{s+t} \mathcal{V}^{-(s+t)} \end{aligned}$$

$$\text{ex } \lim_{\varepsilon \rightarrow 0} \frac{\mathcal{V}^\varepsilon \mathcal{V}^{-\varepsilon} \mathbf{1} - \mathbf{1}}{\varepsilon} = : \underline{\mathcal{V}} \mathbf{1}$$

$$\begin{cases} \mathcal{D}_\mathcal{L} \sqsubseteq \mathcal{D}_{\underline{\mathcal{L}}} \\ \underline{\mathcal{V}}|\mathcal{D}_\mathcal{L} = 0 \end{cases}$$

$$\mathbf{1} \in \mathcal{D}_\mathcal{L} = \mathcal{D}_{-\mathcal{L}} \Rightarrow \frac{\mathcal{V}^\varepsilon \mathcal{V}^{-\varepsilon} \mathbf{1} - \mathbf{1}}{\varepsilon} = \mathcal{V}^\varepsilon \frac{\mathcal{V}^{-\varepsilon} \mathbf{1} - \mathbf{1}}{\varepsilon} + \frac{\mathcal{V}^\varepsilon \mathbf{1} - \mathbf{1}}{\varepsilon} \rightsquigarrow \mathcal{V}^0 \underbrace{-\mathcal{L} \mathbf{1}}_{\mathbf{1}} + \mathcal{L} \mathbf{1} = 0 \Rightarrow \begin{cases} \mathbf{1} \in \mathcal{D}_{\underline{\mathcal{L}}} \\ \underline{\mathcal{V}} \mathbf{1} = 0 \end{cases}$$

$$\bigwedge_{0 \leq t} \mathcal{V}^t \mathcal{V}^{-t} = I$$

$$\mathcal{V}^{-t} = \frac{-1}{\mathcal{V}^t}$$

$$\bigwedge_{\mathbf{1} \in \mathcal{D}_\mathcal{L}} \partial_t \mathcal{V}^t \mathcal{V}^{-t} \mathbf{1} = \partial_t \mathcal{V} \underbrace{\mathcal{V}^{-t} \mathbf{1}}_{\mathbf{1}} + \mathcal{V}^t \underbrace{\partial_t \mathcal{V}^{-t} \mathbf{1}}_{\mathbf{1}}$$

$$= \mathcal{V}^t \mathcal{L} \underbrace{\mathcal{V}^{-t} \mathbf{1}}_{\mathbf{1}} + \mathcal{V}^t \underbrace{-\mathcal{L} \mathcal{V}^{-t} \mathbf{1}}_{\mathbf{1}} = \mathcal{V}^t (\mathcal{L} - \mathcal{L}) \mathcal{V}^{-t} \mathbf{1} = 0 \Rightarrow \mathcal{V}^t \mathcal{V}^{-t} \mathbf{1} = \mathbf{1}_{\mathcal{D}_\mathcal{L} \text{ hull}} \Rightarrow \mathcal{V}^t \mathcal{V}^{-t} = I$$

$$\mathbb{R} \ni t \xrightarrow{\text{s-stet group}} \mathcal{V}^t$$

$$\bigwedge_{s:t}^{\mathbb{R}} \mathcal{V}^{s+t} = \mathcal{V}^s \mathcal{V}^t$$