

$$\mathbb{P}:\mathbb{J} \text{ moment Frobenius}$$

$$\mathbb{P} \xrightarrow{\hspace{1cm} \Phi \hspace{1cm}} \mathbb{g}^+$$

$$\mathbb{U} \hspace{10cm} \mathbb{U}$$

$$\Phi \mathcal{O} \xrightarrow{\hspace{1cm} \Phi \hspace{1cm}} \mathcal{O}$$

$$\text{null-foliation}$$

$$\underline{\Phi \mathcal{O}}^0_{\hphantom{0}\hbar} = \frac{\mathfrak{b}_{\hphantom{0}\hbar} \in \underline{\Phi \mathcal{O}}_{\hphantom{0}\hbar}}{\mathfrak{b}_{\hphantom{0}\hbar} \overbrace{\hspace{1cm} \Phi \ltimes \mathbb{J} \hspace{1cm}}^{\hphantom{0}\hbar} = \underbrace{\mathfrak{b}_{\hphantom{0}\hbar} \hspace{1mm} \Phi_{\hspace{1mm} \underline{\hspace{1mm}}}^{\hphantom{0}\hbar}}_{\hphantom{0}\hbar} \ltimes_{\hspace{1mm} \Phi} \mathbb{J} = 0}$$

$$\mathfrak{b}:\mathfrak{b} \in \underline{\Phi \mathcal{O}}^0 \Rightarrow \mathfrak{b} \ltimes \mathfrak{b} \in \underline{\Phi \mathcal{O}}^0$$

$$d\left(\Phi \ltimes \mathbb{J}\right)=\Phi \ltimes d\mathbb{J}=0$$

$$0 = (\mathfrak{b}\mathfrak{b}\mathfrak{b})\,d\left(\Phi \ltimes \mathbb{J}\right) = (\mathfrak{b}\mathfrak{b}\mathfrak{b})\,d\left(\Phi \ltimes \mathbb{J}\right) + (\mathfrak{b}\mathfrak{b}\mathfrak{b})\,d\left(\Phi \ltimes \mathbb{J}\right) + (\mathfrak{b}\mathfrak{b}\mathfrak{b})\,d\left(\Phi \ltimes \mathbb{J}\right)$$

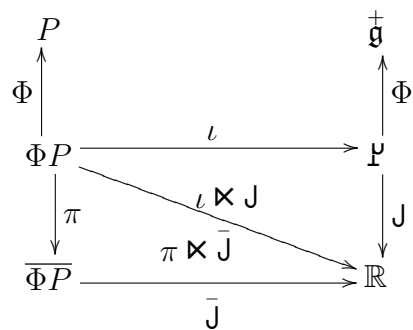
$$\text{Vor} \hspace{1mm} \underline{\Phi_{\hspace{1mm} \underline{\hspace{1mm}}}}_{\hspace{1mm} \underline{\hspace{1mm} \Phi}} \hspace{1mm} \mathcal{O}_{\hspace{1mm} \hbar} = \underline{\Phi \mathcal{O}}_{\hphantom{0}\hbar}$$

$$\dim \hspace{1mm} \underline{\Phi P^0}_{\hphantom{0}\hbar} = \hspace{1mm} \text{cst} \hspace{1mm} \Rightarrow \hspace{1mm} \Phi P \xrightarrow{\hspace{1mm} \pi \hspace{1mm}} \overline{\Phi P} = \Phi P / \underline{\Phi P^0} \hspace{1mm} \text{integrable}$$

$$\begin{array}{ccc} P & & \mathbb{g}^+ \\ \uparrow & & \uparrow \hspace{1mm} \Phi \\ P\Phi & \xrightarrow{\hspace{1cm} \iota \hspace{1cm}} & \mathbb{P} \\ \pi \downarrow & & \\ \overline{P\Phi} & & \hspace{1cm} \iota \ltimes \mathbb{J} = \pi \ltimes \bar{\mathbb{J}} \end{array}$$

$$\text{GS/175}$$

$$\text{co-isotropic} \hspace{1mm} \overbrace{\hspace{1cm} \underline{\Phi P}_{\hphantom{0}\hbar}^{\perp} \hspace{1cm} \Phi_{\hspace{1mm} \underline{\hspace{1mm}}}^{\hphantom{0}\hbar}}^{\hspace{1mm} \perp \hspace{1mm}} \hspace{1mm} \sqsubset \hspace{1mm} \underline{\Phi P}_{\hphantom{0}\hbar}^{\hspace{1mm} \hbar} \hspace{1mm} \Phi_{\hspace{1mm} \underline{\hspace{1mm}}}^{\hphantom{0}\hbar} \hspace{1mm} \sqsubset \hspace{1mm} \mathbb{g}^{\perp \hbar} \hspace{1mm} \Phi_{\hspace{1mm} \underline{\hspace{1mm}}}^{\hphantom{0}\hbar}$$



$$\begin{cases} \iota \ltimes J = \pi \ltimes \bar{J} \\ \iota \ltimes \mathfrak{J} = \pi \ltimes \bar{\mathfrak{J}} \end{cases} \implies \iota \ltimes \underbrace{J \ltimes \mathfrak{J}} = \pi \ltimes \underbrace{\bar{J} \ltimes \bar{\mathfrak{J}}}$$