

$\nu \in \mathbb{R} \setminus \{\text{symplectic}\}$

$$J \in \frac{\mathbb{P}}{\mathbb{P}^\infty} \frac{\mathbb{P}}{\mathbb{P}} \mathbb{R} \xrightarrow{\rho} \frac{\mathbb{P}}{\mathbb{P}^\infty} \frac{\mathbb{P}}{\mathbb{P}} \ni J$$

$$\begin{bmatrix} + \\ J \\ P \end{bmatrix} J = P J$$

$$J^+ \models J = J$$

$$P \models J^+ = P$$

$$P \widehat{J^+ \models J} = \begin{bmatrix} + \\ J \\ P \end{bmatrix} J = P J$$

$$\left[ \begin{array}{c} P \models J^+ \\ P \end{array} \right] J = P \widehat{P \models J} = \begin{bmatrix} P \\ P \end{bmatrix} P$$

$$J \times J^+ = \widehat{J \times J^+} \models J$$

$$\widehat{J \times J^+} = J^+ \times J^+$$

$$J \times J^+ = J^+ \times J - J^+ \times J + d \begin{bmatrix} + \\ J \\ P P \end{bmatrix} J$$

$$\begin{aligned} 0 &= \begin{bmatrix} + \\ J \\ P P \end{bmatrix} \underline{d J} = J^+ \times \begin{bmatrix} + \\ J \\ P \end{bmatrix} J - J^+ \times \underbrace{\begin{bmatrix} + \\ J \\ P \end{bmatrix} J}_{d \begin{bmatrix} + \\ J \\ P P \end{bmatrix} J} + d \begin{bmatrix} + \\ J \\ P P \end{bmatrix} J - \begin{bmatrix} + \\ J \times J^+ \\ P \end{bmatrix} J + \begin{bmatrix} + \\ J \times P \\ P P \end{bmatrix} J - \begin{bmatrix} + \\ J \times P \\ P P \end{bmatrix} J \\ &= J^+ \times \underline{P J} - J^+ \times \underline{P J} + d \underbrace{\begin{bmatrix} + \\ J \\ P P \end{bmatrix} J}_{J^+ \times J} - P \underline{J \times J^+} - \widehat{J \times P} P + \widehat{J \times P} P \\ &= \overbrace{P J^+ \times J - J^+ \times J + d \begin{bmatrix} + \\ J \\ P P \end{bmatrix} J - J \times J^+}^{J^+ \times J^+} \Leftarrow \widehat{P J^+ \times J} = J^+ \times P J + \widehat{P \times J^+} P \end{aligned}$$