Back to KI

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$$w_{ij} = \frac{dz_i - dz_j}{z_i - z_j}$$

Dream: Turn the KI into algebra.

Claim $\sum_{\text{cyclic}} w_{ij} \wedge w_{jk} = 0$

Challenge: Put Arnold's identity in the spot light.

Test for $z_1 = t_1$, $z_2 = 1$, $z_3 = 0$:

$$w_{12} = \frac{dz}{z-1} \qquad w_{31} = \frac{dz}{z} \qquad w_{23} = 0$$

$$\frac{dz}{z-1} \wedge \frac{dz}{z} = 0.$$

Is there a group with proj $G = \Lambda^n \; \mathbb{Z}_8$

$$ab = (ba)^{-1} \Rightarrow ab = a^{-1}b^{-1} \Rightarrow abba = 1$$

$$baab = 1$$

$$a^2 = b^{-2}$$

$$a^{-2} = b^2$$

Won't work if more than 3 generators.