

Independence of the twist equation

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$$\hbar^{-1} (b[LW@x, A1] + b[LW@y, B1] \equiv LS[0]) \wedge (\operatorname{div}_x[A1] + \operatorname{div}_y[B1] \equiv CWS[0]) \wedge (A1 \equiv (B1 // \operatorname{LieMorphism}[x \rightarrow y, y \rightarrow x]))];$$

Question For $F, G \in FL(x, y)$, does

$$[\partial_x, F] + [\partial_y, G] = 0 \quad \& \quad \operatorname{div}_x F + \operatorname{div}_y G = 0$$

$$\text{imply } F(x, y) = G(y, x) \quad ?_0$$

globally; is it:

"if you can slide under a tangle, and when you cap it it is trivial, then it is a u-braid" $?_0$

Perhaps more likely is to formulate this entirely within u : "If a connected two-coloured \mathcal{Q}^u -tree is divergent free, then it is $x \leftrightarrow y$ symmetric".