

Kolmogorov-Arnold representation theorem as a special case of Yoneda's lemma

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February 5, 2021

Summary

- Yoneda

The following is probably a theorem:

Theorem 1. *For each classical differential equation*

$$\square S = H \tag{-1.1}$$

there corresponds a quantum version

$$\square \Psi = \hat{H} \Psi \tag{-1.2}$$

where $\Psi = e^{-iS}$.

References

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