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Matrix logarithmic quantum wave equation

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Logarithmic quantum wave equation (LogSE) is the nonlinear equation, which possesses unique features that lead to its fruitful applications in different branches of physics - from nuclear physics and condensed-matter theory to particle physics, theory of quantum gravity and models of physical vacuum. Here we proceed with a natural generalization, matrix LogSE, which can be used in a theory of multi-channel quantum processes. We demonstrate exact solutions derived so far and discuss their physical meaning.

Apply to be considered for a student award (Yes / No)?

No

Level for award (Hons, MSc, PhD, N/A)?

N/A

Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

Yes

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