Application of Neural Network Approach for Numerical Integration

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Abstract
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Keywords
neural networks, numerical integration, meson

1. Introduction

introduction text [1]

2. Neural Network Approach

NNI theory [2] [3]

3. Physics task

text

4. Usage of Neural Network Approach in the Physics task

text

5. Future development

text

References

[1] S. Lloyd, R. A. Irani, M. Ahmadi, Using neural networks for fast numerical integration and optimization, IEEE Access 8 (2020) 84519–84531.

Information and Telecommunication Technologies and Mathematical Modeling of High-Tech Systems 2025 (ITTMM 2025), Moscow, April 07–11, 2025
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[2] P. Costa, M. C. Ruivo, Y. L. Kalinovsky, Pseudoscalar neutral mesons in hot and dense matter, Physics Letters B 560 (2003) 171–177.
[3] D. Blaschke, H. Grigorian, Y. L. Kalinovsky, Meson form-factor scheme for the chiral lagrangian approach to j/ψ breakup cross sections motivated by a relativistic quark model, Physics of Particles and Nuclei Letters 9 (2012) 7–17.