Abstract

In this research, we employ the extended $\exp(-\varphi(\xi))$ expansion method for the first time to obtain the exact and solitary wave solutions of the (3+1)-Dimensional Yu-Toda-Sasa-Fukuyama Equation. We obtain the wide range of exact and solitary wave solutions of distinct physical structure.

References

3. Emad H. M. Zahran and Mostafa M.A. Khater, The modified simple equation method and
its applications for solving some nonlinear evolutions equations in mathematical physics. Jünokull journal- Vol. 64. Issue 5 - May 2014.


**Index Terms**

Computer Science  
Applied Mathematics

**Keywords**

Extended exp(-φ(ξ))-expansion method, The (3+1)- Dimensional Yu-Toda-Sasa-Fukuyama equation, Traveling wave solutions, Solitary wave solutions.