Abstract

In this research, we employ the extended exp(-φ(ξ)) 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.


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.