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Author: Anjan Biswas Rubayyi T. Alqahtani

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CHIRP-FREE BRIGHT OPTICAL SOLITONS FOR PERTURBED GERDJIKOV-IVANOV EQUATION BY SEMI-INVERSE VARIATIONAL PRINCIPLE

Anjan Biswas ^{1,2} & Rubayyi T. Alqahtani ²

¹ Department of Mathematics and Statistics, Tshwane University of Technology, Pretoria-0008, South Africa

² Department of Mathematics and Statistics, College of Science, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh-13318, Saudi Arabia

Abstract

Two forms of bright soliton solutions are obtained by the aid of semi-inverse variational principle for the perturbed Gerdjikov-Ivanov equation. The integrability criteria for this model are also presented.

Key Words: solitons; semi-inverse variation; hypergeometric functions.

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