

BIFURCATION ANALYSIS AND EXACT TRAVELLING WAVE SOLUTIONS OF THE (2 + 1)-DIMENSIONAL ZOOMERON EQUATION

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Abstract

By using the method of dynamical system, the exact traveling wave solutions for the (2+1)-dimensional Zoomeron equation are studied. Based on this method, the bifurcations of phase portraits of dynamical system are given and the possible bounded travelling wave solutions are obtained.

Keywords and phrases: Zoomeron equation, dynamical system method, exact travelling wave solutions, phase portraits.

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