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Solitary Wave and Non-traveling Wave Solutions to Two Nonlinear Evolution Equations YAN Zhi-Lian and LIU Xi-Qiang

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Abstract: By applying the extended homogeneous balance method, we find some new explicit solutions to two nonlinear evolution equations, which include n-resonance plane solitary wave and non-traveling wave solutions.

PACS: 05.45.Yv, 02.30.Jr, 03.65.Fd Key words: approximate equations for long water waves, variant Boussinesq equations, non-traveling wave solution, solitary wave solution

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