2003 Vol. 39 No. 6 pp. 641-642 DOI:

A Polynomial Expansion Method and New General Solitary Wave Solutions to KS Equation

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Abstract: Using a polynomial expansion method, the general exact solitary wave solution and singular one are constructed for the non-linear KS equation. This approach is obviously applicable to a large variety of nonlinear evolution equation.

PACS: 02.30.Jr Key words: KS equation, solitary wave solution, polynomial expansion method

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