

This is a review text file submitted electronically to MR.

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Short title: Doubly periodic solution for nonlinear Schrodinger's equation with higher order polynomial law nonlinearity.

MR Number: 2457004

Primary classification: 33E05

Secondary classification(s): 78A60

Review text:

It is found (and numerically illustrated) that the closed formula for travelling waves can be integrated to the incomplete elliptic integral of the third kind for certain nonlinearities.