## 2004 Vol. 41 No. 6 pp. 805-806 DOI:

Novel Solutions to sine-Gordon Equation from Modified Bäcklund Transformation BI Jin-Bo, CHEN Zhe-Yun, and CHEN Deng-Yuan

Department of Mathematics, Shanghai University, Shanghai 200436, China (Received: 2003-9-22; Revised: )

Abstract: Some novel solutions are constructed for the sine-Gordon equation from the modified bilinear derivative Bäcklund transformation. The approach used here is general and can be applied to other soliton equations.

PACS: 02.30.1k, 02.30.Jr Key words: sine-Gordon equation, Bäcklund transformation, novel solutions

[Full text: PDF]

Close