2006 Vol.45 No.3 pp.398-400 DOI: Soliton Solutions for Nonisospectral AKNS Equation by Hirota's Method BI Jin-Bo, SUN Ye-Peng, and CHEN Deng-Yuan Department of Mathematics, Shanghai University, Shanghai 200444, China (Received: 2005-5-26; Revised:) Abstract: Bilinear form of the nonisospectral AKNS equation is given. The N-soliton solutions are obtained through Hirota's method. PACS: 02.30.1k, 02.30.Jr Key words: nonisospectral AKNS equation, soliton solutions, Hirota's method [Full text: PDF]