Applications of the Pfaffain technique to (3+1)-dimensional soliton equations of Jimbo-Miwa type.

Based on Hirota bilinearization method, the Pfaffain technique is employed to construct an explicit exact solutions to 3+1-dimensional nonlinear partial differential equations of Jimbo-Miwa type. Pfaffainization procedure will also be applied to extend such equations to a new coupled systems. (Received September 16, 2014)