

عنوان مقاله:

Symbolic methods to construct a cusp, breathers, kink, rogue waves and some soliton waves solutions of nonlinear partial differential equations

محل انتشار:

مجله روشهای محاسباتی برای معادلات دیفرانسیل، دوره 8، شماره 3 (سال: 1399)

تعداد صفحات اصل مقاله: 13

نویسندگان:

.School of Mathematical Sciences, University of Science and Technology of China, ۲۳۰۰۲۶, Hefei, China - - -

.School of Mathematical Sciences, University of Science and Technology of China, ۲۳۰۰۲۶, Hefei, China - - -

خلاصه مقاله:

A cusp, bright breathers, dark breathers, kink, bright rogue waves and some soliton waves solutions are obtained by using the $\exp(-\phi(\xi))$ -expansion method for the fourth order Benjamin-Ono equation and BBM equations. The obtained solutions might be indicated and meaningful for narrating the physical phenomena in the real-world. For compatible values of the arbitrary parameter included in the solution, We plot the 3D surface of the all obtained solutions in this paper which are shown in Figures 1 to 10

کلمات کلیدی:

The $\exp(-\phi(\xi))$ -expansion method, the fourth order Benjamin-Ono equation, BBM equation, traveling wave solutions, Nonlinear evolution equation

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1597992>

