Explicit compacton and generalized kink wave solutions for a CH-DP equation

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Abstract

In this paper, we consider a Camassa and Holm-Degasperis and Procesi (CH-DP) equation $u_{t}-c_{0}u_{x}+4uu_{x}-alpha^2(u_{xx}+uu_{xx}+3u_{x})+\gamma u_{xx}+3u_{x$

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 $\label{lem:ch-def} CH-DP equation.pdf available at https://authorea.com/users/330675/articles/457463-explicit-compacton-and-generalized-kink-wave-solutions-for-a-ch-dp-equation$

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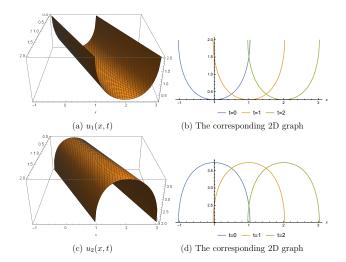


Fig.1 The graphs of compacton wave solutions $u_1(x,t)$ and $u_2(x,t)$ when c0=7, $\alpha=1,$ $\gamma=1$ and h=-1.