

Erratum to: A New Approach for Numerical Solution of Modified Korteweg-de Vries Equation

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The original version of this article unfortunately contained mistakes. The presentation of Tables 2, 3 and 4 was incorrect. The corrected tables are given below.

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Table 2 Invariants and error norms for single solitary wave with $\varepsilon = 3, \mu = 1, c = 0.845, h = 0.1,$ and $\Delta t = 0.01, 0 \leq x \leq 80$

t		1	5	10	15	20
I_1	Present	4.442866	4.442866	4.442866	4.442866	4.442866
	(Biswas and Raslan 2011)	4.443000	4.443138	4.444142	4.443420	4.443171
I_2	Present	3.676941	3.676941	3.676941	3.676941	3.676941
	(Biswas and Raslan 2011)	3.677069	3.677535	3.678094	3.678642	3.679192
I_3	Present	2.072792	2.073533	2.073695	2.073772	2.073841
	(Biswas and Raslan 2011)	2.073575	2.074357	2.075303	2.076232	2.077161
L_2 -Error	Present	6.279015e-04	1.252048e-03	2.138787e-03	2.960441e-03	3.656694e-03
		–	–	–	–	–
L_∞ -Error	Present	3.624348e-04	8.415234e-04	1.403498e-03	1.887116e-03	2.294197e-03
	(Biswas and Raslan 2011)	1.206756e-03	3.621519e-03	5.942047e-03	7.626772e-03	8.642137e-03

Table 3 Comparison of invariants for the interaction of two solitary waves with $\varepsilon = 3, \mu = 1, h = 0.1, \Delta t = 0.01, c_1 = 2, c_2 = 1, x_1 = 15$ and $x_2 = 25, 0 \leq x \leq 80$

t		1	5	10	15	20
I_1	Present	8.885732	8.885732	8.885732	8.885732	8.885732
	(Biswas and Raslan 2011)	8.886014	8.886776	8.889742	8.885983	8.884880
I_2	Present	9.659345	9.659345	9.659345	9.659345	9.659345
	(Biswas and Raslan 2011)	9.659527	9.663714	9.662547	9.661071	9.661224
I_3	Present	10.270822	10.857214	10.954278	10.307099	10.338321
	(Biswas and Raslan 2011)	10.239870	10.249000	10.246790	10.242580	10.242030

Table 4 Comparison of invariants for the interaction of three solitary waves with $\varepsilon = 3, \mu = 1, h = 0.1, \Delta t = 0.01, c_1 = 2, c_2 = 1, c_3 = 0.5, x_1 = 15, x_2 = 25$ and $x_3 = 35, 0 \leq x \leq 80$

t		1	5	10	15	20
I_1	Present	13.328677	13.328677	13.328677	13.328677	13.328677
	(Biswas and Raslan 2011)	13.329060	13.330630	13.338780	13.332640	13.332060
I_2	Present	12.519943	12.519943	12.519943	12.519943	12.519943
	(Biswas and Raslan 2011)	12.520280	12.526260	12.540860	12.526660	12.524900
I_3	Present	11.321178	13.483073	12.415348	12.413743	11.499146
	(Biswas and Raslan 2011)	11.249790	11.261270	11.288040	11.259970	11.256730