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Clarkson-Kruskal Direct Similarity Approach for Differential-Difference Equations SHEN Shou-Feng

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Abstract: In this letter, the Clarkson-Kruskal direct method is extended to similarity reduce some differential-difference equations. As examples, the differential-difference KZ equation and KP equation are considered.

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Key words: differential-difference KZ equation, differential-difference KP

equation, direct method, similarity reduction

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