



# Exact Solutions with Two Parameters for an Ultradiscrete Painlevé Equation of Type $A_6^{(1)}$

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An ultradiscrete system corresponding to the  $q$ -Painlevé equation of type  $A_6^{(1)}$ , which is a  $q$ -difference analogue of the second Painlevé equation, is proposed. Exact solutions with two parameters are constructed for the ultradiscrete system.

Subjects: **Exactly Solvable and Integrable Systems (nlin.SI);**  
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