



TETRAHEDRON MAPS ASSOCIATED TO THE LINEAR EQUATION

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Abstract

We calculate tetrahedron maps ([V. E. Adler, A. I. Bobenko and Yu. B. Suris, Classification of integrable equation on quad-graphs, the consistency approach, *Comm. Math. Phys.* 233(3) (2003), 513-543], [R. M. Kashaev, I. G. Korepanov and S. M. Sergeev, The functional tetrahedron equation, *Theoret. and Math. Phys.* 117(3) (1998), 1402-1413]) associated to the linear equation ([V. E. Adler, A. I. Bobenko and Yu. B. Suris, Discrete nonlinear equations, Classification of integrable cases, *Funct. Anal. Appl.* 43 (2009), 3-17], [N. Joshi, N. Nakazono and Y. Shi, Reflection groups and discrete systems, *J. Integrable Syst.* (<http://arxiv.org/abs/1605.01171>) 2016]).

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