Mathematical Physics

KP and Toda tau functions in Bethe ansatz

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Recent work of Foda and his group on a connection between classical integrable hierarchies (the KP and 2D Toda hierarchies) and some quantum integrable systems (the 6-vertex model with DWBC, the finite XXZ chain of spin 1/2, the phase model on a finite chain, etc.) is reviewed. Some additional information on this issue is also presented.

Comments: latex2e, using ws-procs9x6 package, 19 pages, contribution to the festschrift volume for the 60th anniversary of Tetsuji Miwa

Subjects: **Mathematical Physics (math-ph)**; High Energy Physics - Theory (hep-th); Quantum Algebra (math.QA); Exactly Solvable and Integrable Systems (nlin.SI)

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