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Talk: On the influence of boundary conditions on the critical behaviour of the staggered six-vertex model

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The periodic staggered six-vertex model with the anisotropy parameter $(|q|=1)$ is critical and exhibits several phases with interesting universal behaviour. In a certain regime its scaling limit possesses a non-compact degree of freedom. In this talk, we discuss the influence of quantum group invariant boundary conditions on the finite-size spectrum of the model in the special case of the non-compact regime (arXiv:2111.00850). We interpret our results in the context of the $(D^{\wedge}_{2})_{-2}$ spin chain, whose R -matrix can be factorised into that of the six-vertex model, and identify a more general correspondence of boundary conditions of models which factorise (arXiv:2209.06182).

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