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# On the critical behaviour of the inhomogeneous six-vertex model

*Tuesday, 29 March 2022 09:00 (1 hour)*

The inhomogeneous six-vertex model is a multi-parametric integrable 2D statistical system. With the anisotropy parameter  $|q|=1$ , the model is critical and is expected to exhibit a variety of interesting universal behaviour. In this talk we discuss the scaling limit of the homogeneous and so-called staggered cases and mention some applications to QFT. We also describe a conjecture from arXiv:2106.01238 that predicts the critical behaviour of the general inhomogeneous six-vertex model and its spin  $J = 1, 3/2, 2, \dots$  generalizations in a certain regime of the anisotropy  $q$ .

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