Conformal Invariance of Ising Model Correlations Clément Hongler *Columbia University, New York*

We study the planar Ising model at critical temperature, on bounded domain. We show that the spin and energy fields have a fully conformally invariant scaling limit, and compute correlation functions. Our approach relies on discrete complex analysis tools.

Based on joint works with Dmitry Chelkak, Konstantin Izyurov and Stanislav Smirnov.