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Tensor Network Finite-size Scaling for 2D Classical Models

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Finite size scaling analysis (FSS) provides a method to approach critical behavior using quantities in finite size systems. For computation, we employ the tensor network method and higher-order tensor renormalization group (HOTRG) to calculate various quantities for finite size systems. We demonstrate that finite size analysis enables us to accurately extract critical temperature, critical exponents of the system.

Primary author: CHAN, Sing-Hong (National Tsing-Hua University)

Co-author: Prof. CHEN, Pochung (NHTU)

Presenter: CHAN, Sing-Hong (National Tsing-Hua University)

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