

Title: Fields, particles and universality in two dimensions

Abstract: Two-dimensional field theory has the special feature of allowing for exact solutions, which in turn determine universal properties of critical and near-critical systems. We explain main ideas underlying this framework and illustrate them through examples for ferromagnetism, percolation and phase separation.

Reference: G. Delfino, Annals of Physics 360 (2015) 477-519 [arXiv:[1502.05538](https://arxiv.org/abs/1502.05538)]