

For long time progress in the exact determination of universal properties of two-dimensional percolation has been limited to the case of finite geometries at criticality. I have been interested in developing the other sectors of the theory and obtained, in particular, basic results for bulk off-critical [1], bulk critical [2], and boundary off-critical [3] properties.

[1] DELFINO G, VITI J, CARDY J (2010). Universal amplitude ratios of two-dimensional percolation from field theory. *JOURNAL OF PHYSICS. A, MATHEMATICAL AND THEORETICAL*, vol. 43, 152001, doi: 10.1088/1751-8113/43/15/152001

[2] DELFINO G, VITI J (2011). On three-point connectivity in two-dimensional percolation. *JOURNAL OF PHYSICS. A, MATHEMATICAL AND THEORETICAL*, vol. 44, p. 32001-32008, doi: 10.1088/1751-8113/44/3/032001

[3] DELFINO G, VITI J (2012). Crossing probability and number of crossing clusters in off-critical percolation. *JOURNAL OF PHYSICS. A, MATHEMATICAL AND THEORETICAL*, vol. 45, p. 32005-32016, doi: 10.1088/1751-8113/45/3/032005