



Editorial

This issue of *Communications in Mathematical Physics* is dedicated to Roland Dobrushin, who is considered as one of the founders of modern, rigorous statistical mechanics. In most of his papers, he demonstrates a deep probabilistic insight, which he learned as a student of A. N. Kolmogorov. One of the first important contributions he made to the theory of phase transitions was the completion of Peierls' argument for the existence of spontaneous magnetization in Ising models at low temperature. The DLR (Dobrushin, Lanford, Ruelle) conditions play a central role in equilibrium statistical mechanics. His discovery of the roughening transition in the 3-dimensional Ising model opened up a new direction also in physics.

He always works with contagious enthusiasm, which infects his many friends and students. We hope that this issue of the journal demonstrates common respect and love for Roland by members of a large community of scientists working in various directions of mathematical physics.

A. Jaffe and Ya. Sinai