Ezechiel Godert David Cohen

Preface

This issue of the *Journal of Statistical Physics* is dedicated to Prof. E. G. D. Cohen on the occasion of his 65th birthday. The contributors are among the many friends, colleagues, and collaborators of Eddie Cohen.

For over 35 years Eddie has been a constructive and lively scholar in the field of statistical mechanics. He has made seminal contributions to the statistical mechanics of nonequilibrium processes of fluids, to the theory of quantum fluid mixtures, and to the theory of equilibrium systems as well. He is widely known and respected for his work on liquid helium mixtures, leading to a prediction of incomplete phase separation at 0 K, and for his work on the generalization of the Boltzmann equation to higher densities. This latter body of work includes fundamental discoveries and contributions, such as the divergences in the density expansions of the transport coefficients and the long-time tails in the time-correlation functions of molecular fluids. Most recently he has worked on the theories of light scattering in nonequilibrium fluids, of hydrodynamic instabilities, and of neutron scattering in dense fluids.

Those of us who have had the good fortune to work with Eddie have always been impressed by the incredible seriousness with which he carries out his work as a theoretical physicist. The amount of time and energy that he devotes to a thorough and rigorous study of each topic is in many ways an inspiring example for all of us. Eddie's deep commitment to intensity of thought and to clarity of expression has played an instrumental role in the training of two generations of physicists. Working with Eddie shaped our careers as physicists in a way that we and our students have benefitted from enormously. While we are speaking here personally, we know that many others feel the same way.

As a sign of appreciation, a Symposium on Current Topics in Statistical Physics in honor of E. G. D. Cohen was held at the University of Maryland on September 26 and 27, 1988. It is followed by this special issue of the *Journal of Statistical Physics* with papers from colleagues and collaborators dedicated to Eddie with a sense of friendship, congratulations, and admiration.

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