Dr Nat Queen BSc, PhD

Honorary Research Fellow

School of Mathematics (/schools/mathematics/index.aspx)

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About

Nat Queen retired as a full-time lecturer several years ago and now does part-time teaching in the School of Mathematics. He is author of over 50 academic publications, including three textbooks, several articles in international conference proceedings, and many journal articles. His publications are in theoretical physics and applied mathematics. Nat has also translated five books and hundreds of journal articles from the Russian, in both physics and mathematics.

School web page: **web.mat.bham.ac.uk/N.M.Queen/ (http://web.mat.bham.ac.uk/N.M.Queen/)**

Qualifications

- PhD in Physics 1964
- BSc in Physics 1960

Biography

Nat Queen's first degree was from the Polytechnic Institute of Brooklyn (now known as the Polytechnic Institute of New York University). In 1964 he was awarded a PhD from the University of Bristol, where he studied theoretical physics. Apart from a year as a visiting scientist at the Joint Institute for Nuclear Research at Dubna in the former USSR, he has been in Birmingham as a member of academic staff since 1963, originally in the Department of Mathematical Physics, and more recently in the School of Mathematics as a member of the applied mathematics group.

Teaching

- Single Honours Mathematics (G100, G103, G141)

Research

RESEARCH THEMES

- Optimisation techniques
- Neural network models
- Image reconstruction
- Theoretical particle and nuclear theory

Other activities

Former activities:

- Editor of the Soviet Journal of Nuclear Physics (later called Physics of Atomic Nuclei)
- Editor of the Soviet Journal of Particles and Nuclei (now known as Physics of Particles and Nuclei)
- Member of the Translations Editorial Board of the American Institute of Physics

Publications

Salhi, S. and Queen, N.M. (2004), A hybrid algorithm for identifying global and local minima when optimising functions with many minima, European Journal of Operational Research, 155: 51-67.

Queen, N.M. (1967), Vector Analysis, New York: McGraw-Hill.

Queen, N.M. and Violini, G. (1974), Dispersion Theory in High-Energy Physics, London: Macmillan.

Queen, N.M. (1980), Methods of Applied Mathematics, London: Nelson.

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