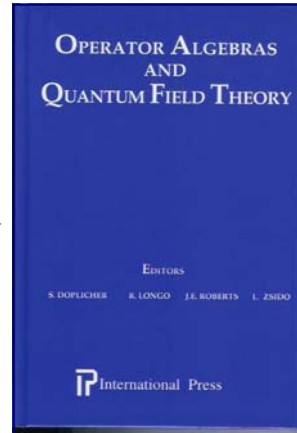


Operator Algebras and Quantum Field Theory

Description

The book presents Operator Algebras originated in the work of von Neumann, in particular in his search for a natural mathematical frame for Quantum Mechanics, and in the work of Gelfand and Naimark. They can now be seen as a discipline encompassing Noncommutative Analysis, Geometry and Topology. After the seminal work and ideas of Haag in the Fifties and of Araki, Haag and Kastler in the early Sixties, the original link with quantum mechanics has evolved into a much deeper relation with Quantum Field Theory, thus furnishing a unique example for the mutual interaction and motivation between pure Mathematics and Mathematical Physics.

Operator Algebras is undoubtedly one of the domains in Mathematics most notable for the depth of its problems, the richness of its new ideas, its connections to so many different fields and its potential as a unifying language and source of illumination.



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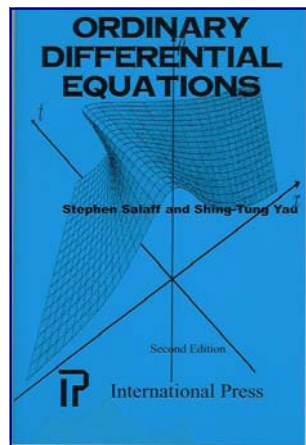
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Ordinary Differential Equations; 2nd Ed.

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Description

These notes emerged from the lecture course in differential equations by the authors at Chung Chi College, Chinese University of Hong Kong. They have proven helpful in similar courses. This new edition will make this material available to a larger audience.