



**Applications of self-adjoint  
extensions in quantum physics  
[ proceedings of a conference  
held at the Laboratory of  
Theoretical Physics, JINR,  
Duna, USSR, September 29-  
October 1, 1987 /**

Exner, Pavel (1946-)  
Seba, P. (Petr) (1957-)

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Monografia

The shared purpose in this collection of papers is to apply the theory of self-adjoint extensions of symmetry operators in various areas of physics. This allows the construction of exactly solvable models in quantum mechanics, quantum field theory, high energy physics, solid-state physics, microelectronics and other fields. The 20 papers selected for these proceedings give an overview of this field of research unparalleled in the published literature; in particular the views of the leading schools are clearly presented. The book will be an important source for researchers and graduate students in mathematical physics for many years to come. In these proceedings, researchers and graduate students in mathematical physics will find ways to construct exactly solvable models in quantum mechanics, quantum field theory, high energy physics, solid-state physics, microelectronics and other fields

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