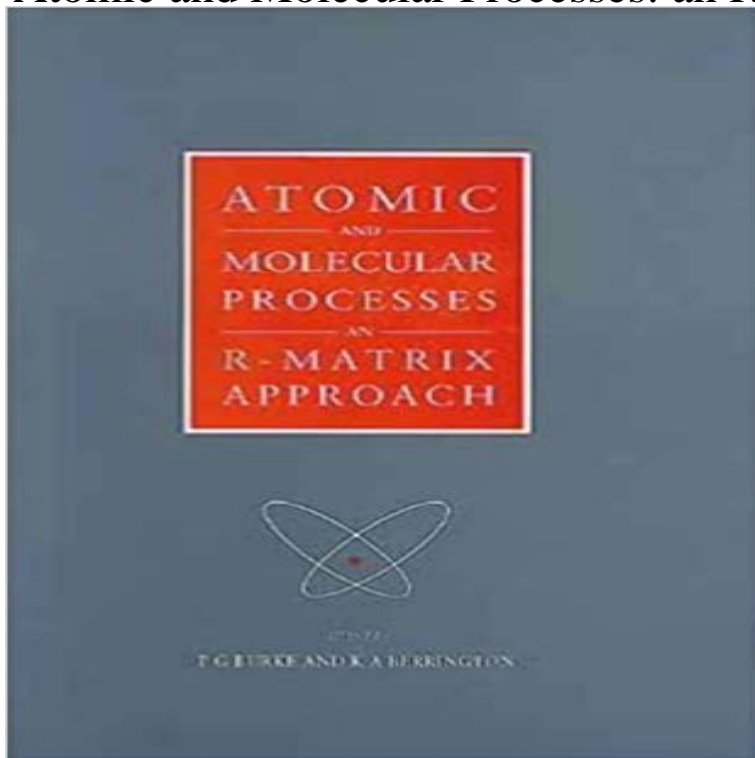


# Atomic and Molecular Processes: an R-Matrix Approach



Written by those who were instrumental in developing this theory, Atomic and Molecular Processes: An R-Matrix Approach provides an introduction and detailed survey of the R-matrix method, enabling atomic and molecular researchers to apply the theory. Seminal papers in R-matrix theory-one of the most successful theoretical tools in atomic and molecular physics-are collected together in this compilation volume. A bibliography of 547 references covering the major early contributions in nuclear physics and most of the recent applications in atomic and molecular physics is included. These, together with 27 key papers reprinted in full, chart the development of this important technique.

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