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scattering and quantum reflection just above. Particular emphasis is laid on the fundamental differences between long-ranged Coulombic potentials and shorter-ranged potentials falling off faster than 1/r2 at large distances r. The new sections on tunable near-threshold Feshbach resonances and on scattering in two spatial dimensions also address problems relevant for current and future research in the field of cold (and ultra-cold) atoms. Graduate students and researchers will find this book a valuable resource and comprehensive reference alike.