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   Sommario/riassunto   Partial differential equations (PDEs) have been used in theoretical
                         ecology research for more than eighty years. Nowadays, along with a
                         variety of different mathematical techniques, they remain as an
                         efficient, widely used modelling framework; as a matter of fact, the
                         range of PDE applications has even become broader. This volume
                         presents a collection of case studies where applications range from
                         bacterial systems to population dynamics of human riots.