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| Sommario/riassunto | This proceedings volume contains results presented at the Sixth International Workshop on Data Analysis in Astronomy - "Modeling and Simulation in Science" held on April 15-22, 2007, at the Ettore Majorana Foundation and Center for Scientific Culture, Erice, Italy. Recent progress and new trends in the field of simulation and modeling in three branches of science - astrophysics, biology, and climatology - are described in papers presented by outstanding scientists. The impact of new technologies on the design of novel data analysis systems and the interrelation among different fields are fore |