



Logical Analysis Of Hybrid Systems

Author :Andr Platzer / **Category :**Mathematics / **Total Pages :** 426 pages

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Summary : Free logical analysis of hybrid systems pdf download - hybrid systems are models for complex physical systems and have become a widely used concept for understanding their behavior many applications are safety-critical including car railway and air traffic control robotics physical chemical process control and biomedical devices hybrid systems analysis studies how we can build computerized controllers for physical systems which are guaranteed to meet their design goals the author gives a unique logic-based perspective on hybrid systems analysis it is the first book that leverages the power of logic for hybrid systems the author develops a coherent logical approach for systematic hybrid systems analysis covering its theory practice and applications it is further shown how the developed verification techniques can be used to study air traffic and railway control systems this book is intended for researchers postgraduates and professionals who are interested in hybrid systems analysis cyberphysical or embedded systems design logic and theorem proving or transportation and automation

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