1. Record Nr. UNINA9910299925503321

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| Autore | Song Zhengyu |
| Titolo | The Test and Launch Control Technology for Launch Vehicles / / by Zhengyu Song |
| Pubbl/distr/stampa | Singapore : , : Springer Singapore : , : Imprint : Springer, , 2018 |
| ISBN | 981-10-8712-1 |
| Edizione | [1st ed. 2018.] |
| Descrizione fisica | 1 online resource (255 pages) |
| Disciplina | 387.80973 |
| Soggetti | Aerospace engineering<br>Astronautics<br>Automatic control<br>Computer simulation<br>Electrical engineering<br>Aerospace Technology and Astronautics<br>Control and Systems Theory<br>Simulation and Modeling<br>Electrical Engineering |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Overview -- The test technology for launch vehicle avionics system -- Equipment-level test technology -- System-level test technology -- Simulation test technology -- Launch control technology -- Responsive test and launch control technology. |
| Sommario/riassunto | This book presents technologies and solutions related to the test and launch control of rockets and other vehicles, and offers the first comprehensive and systematic introduction to the contributions of the Chinese Long March (Chang Zheng in Chinese, or abbreviated as CZ) rockets in this field. Moreover, it discusses the role of this technology in responsive, reliable, and economical access to space, which is essential for the competitiveness of rockets. The need for rapid development of the aerospace industry for both governmental and commercial projects is addressed. This book is a valuable reference resource for practitioners, and many examples and resources are |

included, not only from Chinese rockets but also from many other vehicles. It covers guidelines, technologies, and solutions on testing and launch control before rocket takeoff, covering equipment-level testing, system-level testing, simulation tests, etc. .