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| Nota di contenuto | Transiting Exoplanets from Sharjah Optical Observatory II: the Exoplanet HAT-P-25 b using L & V filter -- The Jewel in the Crown: Archiving and Analyzing Astronomical Spectro-Visual Binaries Big Data -- New Insight Concerning Primordial Lithium Production -- Neutrinos From Type-II Supernovae -- Estimation of the Transit Time of Multiple Coronal Mass Ejection Events -- Characteristics of the Close Visual Binary System HIP 45571 -- The United Nations Group of Experts on the Standardization of Geographical Names (UNGEGN) and its relationship with the International Astronomical Union (IAU) on the naming/designation of extraterrestrial objects' -- Assessment of active space debris removal methods using the Weighted Sum Model (WSM) -- Thermal Control and Analysis of a 3U Nanosatellite with deployed panels -- Advancements in Astronomy and Space Sciences in Jordan: |

Contributions from Experts and Astrophysical Institutions -- The central distance distribution of H & -ray burst solar flares -- Update of the Solar Radiation Atlas for the Arab Republic of Egypt 2023 -- Jurisprudential reliance on Astronomical Calculations in determining the beginnings of the Hijri month -- Sun vertical Depressions and their Effects on the Morning Twilight Phases in Egypt -- Thermal Analysis of an Educational Nano Satellite -- Twenty-Five years of the foundation of the Arab Union for Astronomy & Space Sciences (AUASS) -- Legal Challenges in Establishing Human Settlements in Space -- A City-Wide Planetarium -- Controlling Robot Through Satellite: telesurgery or remote Surgery -- Investigating the Effects of Ionizing Radiation on C-V Characteristics of SOI-MOS Capacitors in Harsh Environmental Conditions -- A Complete Analysis of Subgiant Stellar Systems III: Hip70868.

Sommario/riassunto

This book presents peer reviewed articles from the 14th Arab Conference on Astronomy and Spaces Sciences (AUASS), held from 13 – 16 November 2023 at the University of Sharjah, UAE. It includes recent advances in the fields of astronomy, astrophysics, space sciences and technologies, including the universe and its components of celestial objects, including stars, galaxies, stars, planets and the solar system. Additional topics covering earth from outer space, the physics of the sun, solar activities and their impact on the atmosphere and the environment are included. A number of chapters will be dedicated to the Arab heritage highlighting their contribution in astronomy and space sciences. This is an open access book.
