Record Nr. UNINA9910315360103321 Autore Montelle Clemency Titolo Sanskrit Astronomical Tables [[electronic resource] /] / by Clemency Montelle, Kim Plofker Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2018 **ISBN** 3-319-97037-2 Edizione [1st ed. 2018.] Descrizione fisica 1 online resource (311 pages) Collana Sources and Studies in the History of Mathematics and Physical Sciences, , 2196-8810 Disciplina 016.52095483 Soggetti Mathematics History Observations, Astronomical Astronomy—Observations Asia—History History of Mathematical Sciences Astronomy, Observations and Techniques History of South Asia Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto 1. Introduction -- 2. Content and Classification of Table Texts -- 3. Table-Text Manuscripts -- 4. Elements of Table Texts -- 5. The Evolution of the Table-Text Genre -- 6. Further Explorations --Appendices. Sommario/riassunto This groundbreaking volume provides an up-to-date, accessible guide to Sanskrit astronomical tables and their analysis. It begins with an overview of Indian mathematical astronomy and its literature, including table texts, in the context of history of pre-modern astronomy. It then discusses the primary mathematical astronomy content of table texts and the attempted taxonomy of this genre before diving into the broad outlines of their representation in the Sanskrit scientific manuscript corpus. Finally, the authors survey the major categories of individual tables compiled in these texts, complete with brief analyses of some of

the methods for constructing and using them, and then chronicle the

evolution of the table-text genre and the impacts of its changing role on the discipline of Sanskrit jyotia. There are also three appendices: one inventories all the identified individual works in the genre currently known to the authors; one provides reference information about the details of all the notational, calendric, astronomical, and other classification systems invoked in the study; and one serves as a glossary of the relevant Sanskrit terms.