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Keywords Aerospace, Publication, Thermal performance. As aircraft flight speeds have increased and orbital missions have mandated complex space structures, the need for a deeper understanding of aerospace thermal structural behavior has grown. The purpose of this new book is to study the basic problems of complex computer analyses as they relate to this behavior. With in-depth presentations, this book sets out to allow readers to develop an understanding of the basic physical behavior of thermal structures, gain an appreciation for the role of classical engineering thermal and stress analyses *FREE* shipping on qualifying offers. As aircraft flight speeds have increased and orbital missions have mandated complex space structures. Food Handmade Health, Household & Baby Care Home & Business Services Home & Kitchen Industrial & Scientific Just for Prime Kindle Store Luggage & Travel Gear Luxury Beauty Magazine Subscriptions Movies & TV Musical Instruments Office Products Pet Supplies Prime Video Software Sports & Outdoors Subscription Boxes Tools & Home Improvement Toys & Games Vehicles Video Games. This review provides an exhaustive summary of most recent active thermographic methods used for aerospace applications according to their physical principle and thermal excitation sources. Besides traditional optically stimulated thermography, which uses external optical radiation such as flashes, heaters and laser systems, novel hybrid thermographic techniques are also investigated. Materials and Structures Centre (MAST), Department of Mechanical Engineering, University of Bath, Bath BA2 7AY, UK.