



Thaumaturgia, or Elucidations of the Marvellous, by an Oxonian S.R. Hole

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 60 pages. Original publisher: Hampton, Va. : National Aeronautics and Space Administration, Langley Research Center ; Springfield, Va. : For sale by the National Technical Information Service, 1989 OCLC Number: (OCoLC)62785439 Subject: Large space structures (Astronautics) -- Design and construction. Excerpt: . . . SECTION 3 DEPLOYABLE STRUCTURAL CONCEPTS As in the preceding section, it is convenient to discuss concepts for the reflecting surface first. 3. 1 REFLECTING SURFACE The requirement that the reflecting surface be solid limits consideration to reflective membranes and panels. Membrane surfaces can be excellent radio-frequency reflectors. Some care must be taken to ensure that the surface conductivity of metalized plastic films is not degraded by cracks in the conductive layer caused by frequent creases. For dish-type surfaces, the membrane requires a transverse pressure loading to create a wrinkle-free surface of the correct shape. No suitable reflector membrane material has low enough in-surface stiffness to enable needed changes in Gaussian curvature without incurring high stresses. Membranes are pliable and can be stowed compactly. The most prevalent approach for providing a reflector surface is to use an assemblage of stiff panels. A variety of shapes...



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Reviews

Undoubtedly, this is actually the finest work by any author. Of course, it is perform, nonetheless an amazing and interesting literature. You will like just how the article writer publish this book.

-- **Dr. Isom Dibbert Jr.**

Extremely helpful to all category of individuals. I have got go through and that i am confident that i will likely to read through once again again later on. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Nikita Herzog**