

عنوان مقاله:

A Brief Study On Space structure and its features

محل انتشار:

چهارمین کنفرانس بین المللی پژوهش های کاربردی در علوم و مهندسی (سال: 1398)

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خلاصه مقاله:

The spacecraft structure is a three-dimensional truss system with openings extending in two directions, and its members are only affected by tension and pressure. These structures are composed of identical and repetitive modules with parallel layers at the top and bottom (similar to the upper and lower bars of the truss). These structures are usually well-suited for industrial production and bring the technical and economic constraints through a good combination of concepts of structures, safety principles through aesthetic views, speed of installation, and precision in execution. Spacecraft structures for small spaces are decorative, in modular structures, combined with beauty and observance of all the rules for design with high coefficient and for large spaces is not only an unavoidable necessity for the construction of the building, but also beautiful, durability, and Provides sustainability against the earthquake. Among the places where the benefits of these types of coatings can be exploited, there are halls of gathering, multifunctional exhibitions, cultural and artistic centers, mosques and mosques, hangars of planes, industrial halls, large warehouses and various terminals of travel. In this research, a general description of the spacecraft structure and a survey of several samples and their construction and implementation have been presented.

کلمات کلیدی:

.Spacecraft structure, construction methods, fittings

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