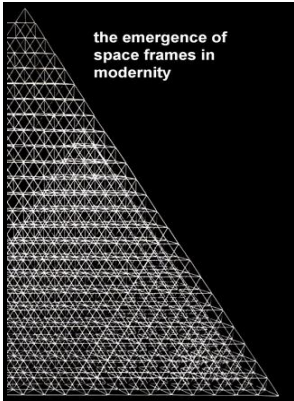


Development of the NODUS space structural system.

[University of Surrey & British Steel Corporation] - Characteristic Analysis of the Village and Town Structure



Description: -

-development of the NODUS space structural system

-development of the NODUS space structural system

Notes: Paper presented at the official opening of the Space Structures

Research Laboratory, 12th April, 1972.

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Tags: #Space #frames

arch

A study of structural reinforcements, created to improve the structural load carrying capacity and minimise deflections, is also one of the main foci of the present paper. Trusses are highly efficient in bending and have been made up to 190 metres 623 feet in span.

arch

The combination of low-heat, low-cost fluorescent lighting, suspended ceilings, and sealed fully air-conditioned HVAC systems became the standard after 1945.

Tubular space trusses with simple and reinforced end

The building structure, its form, assembly techniques and materials underwent radical change in the relatively short period between the 19th century and the present time. The veins and membranes have a complex design within the wing that give rise to whole-wing characteristics which result in dragonflies being supremely versatile, maneuverable fliers.

arch

Space frames are advantageous compared to other common structures by their; light weight, mass production, stiffness, and versatility.

BSD

A space truss carrying a floor in The Woodlands Mall.

Tubular space trusses with simple and reinforced end

The structural system transfers loads through interconnected or members. Tuball node connector: Hollow sphere made of spheroidal graphite.

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