

The structure and modal analysis of AOI extruded aluminum frame structure

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ABSTRACT: Pursuit of continuous innovation and shortening of development costs are inevitable challenges in contemporary society, so the structure should be designed to creative thinking, along with excellent flexibility and efficiency, innovation and implementation. This study investigated the structure characteristics of AOI aluminum extrusion, using finite element analysis to explore different sections of aluminum extruded shape structural analysis, understanding its static analysis and modal analysis, the finite element analysis results is the main basis for the future development and subsequent research.

Keywords: finite element analysis, static analysis, modal analysis