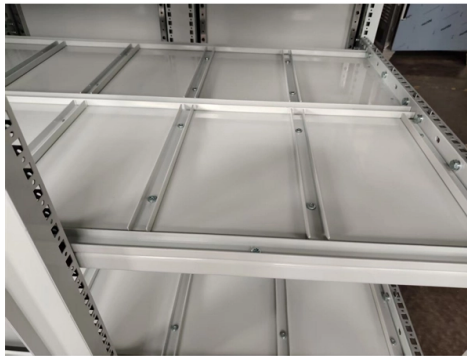


Space optical communication in fiber optic communication



Overview

This paper presents an overview of a fiber-based free-space lasercom system and contrasts this proposed technology to the present technology. Detailed design considerations concerning the issues of pointing, tracking, and receiver communication performance are presented. "Free space" means air, outer space, vacuum, or something similar. This contrasts. The use of fiber optics to simplify the design of free-space laser communication systems is explored. The authors devise a reconfigurable mode-sorter by combining a passive multi-plane light converter with an active photonic integrated circuit, able. The researchers are developing a PlaneWave Instruments CDK-700 telescope as a purpose-built optical communications ground station. The drone used in test flights includes four green LED beacons to aid acquisition and tracking. Optical fiber has long since replaced copper wiring in.



Article Content

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