

Research on IP techniques applied to satellite communications

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Abstract: This topic focuses on researching and applying Internet Protocol (IP) techniques to process and transmit data from satellite systems, aiming to optimize information transmission performance in the field of Earth observation. The objective is to develop an IP-based system that enables the collection, analysis, and transmission of satellite data quickly and accurately. The research method combines theory with experimentation to evaluate the performance of IP protocols in a space environment. The expected result is to provide an advanced technical solution supporting the monitoring and sustainable management of satellite systems.

Keywords: IP technology, satellite information, data processing, transmission, earth observation