

Building satellite communication link design software

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Abstract: This topic focuses on building a software system to support the design and analysis of satellite communication links. The context of the problem lies in the increasing demand for data transmission performance in satellite environments. The main objective is to develop a digital platform that enables the optimization of communication links, enhances reliability, and reduces operational costs. The research methodology involves combining satellite network theory with direct experimentation to identify the most effective design options. The expected outcome of this topic is a useful tool for the aerospace industry, contributing to the improvement of current and future satellite communication systems.

Keywords: satellite software, satellite network, communication link design, data transmission performance, information technology