

Data Transmission Challenges and Needs for Frontier AstroPhysics: the SKA case

Modern radio telescopes are formed using interconnected arrays of sensors. The networks form the backbone of these systems. This talk will describe the function the network plays in the modern radio telescope. It will outline the performance enhancements in existing telescopes, afforded by modern optical transmission techniques. It will look at the SKA, its networks, the requirements and the design options available for implementation of signal transmission for Frontier AstroPhysics.

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