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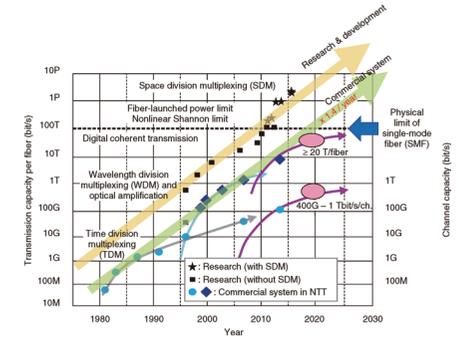
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Feature Articles State-of-the-art Space Division Multiplexing Technologies for Future High-capacity Optical Transport Networks

Space Division Multiplexing Optical Transmission Technology to Support the Evolution of High-capacity Optical Transport Networks

▼ Abstract

This article describes high-capacity space division multiplexing (SDM) optical transmission technology to support the evolution of broadband networks. A new spatial degree of freedom is introduced in optical transmission systems, optical node equipment, and optical fibers to overcome the physical limits of today's single-mode fiber based systems. Future SDM-based optical networks will achieve high capacities of over 1 Pbit/s in a single strand of fiber, a 100-fold increase in capacity, and node throughputs of more than 10 Pbit/s.



Practical Field Information about Telecommunication Technologies

Case Studies of Wireless LAN Problems

▼ Abstract

This article describes cases studies of problems occurring in wireless LANs (local area networks). This is the fortieth article in a series on telecommunication technologies. This contribution is from the EMC Engineering Group, Technical Assistance and Support Center, Maintenance and Service Operations Department, Network Business Headquarters, NTT EAST.

