

# **Research evaluating wavelength routing method in optical networks**

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**Abstract:** This is a study aimed at evaluating the wavelength routing methods currently applied in practice. The topic focuses on identifying the advantages and disadvantages of each method in order to propose an optimal solution for optical transmission networks. Through theoretical analysis and practical experimentation, we expect to contribute a more efficient routing system for the information technology industry.

**Keywords:** optical routing, wavelength, method evaluation, transmission network, optimization