Link Capacity enhancement

Single fiber

↓

Multiple fiber

↓

WDM

↓

Flexigrid

↓
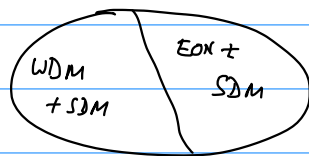
Multicore ⟶ Challenges in Multicore

→ Interface — Tx/Rx end

→ degradation with length.

What problems will be faced when a   SDM (Multicore + Multifiber + part EON + part WDM)
network exists?

Two distinct partitions

Path Setup algorithm →

Search path to a destination → when needed. (on demand algo)

· with every, knowledge update at each node.

→ Already aquired knowledge can be used to make path discovery more
efficiency

→ obsoclence of aquired knowledge with time (uncertainity increasing with time)
at different place — different obsolescence rate.