

# Numerical Analysis of Tapered Multicore Fibres for Laser System Scaling

*Thursday, 1 September 2022 12:00 (2 hours)*

Tapered multicore fibers (MCFs) are numerically analyzed in the context of high power MCF lasers using Beam Propagation Method. These simulations facilitate taper design to avoid mode mixing and intercore crosstalk. MCF tapers with active fibers enable scalable fundamental-mode operation in large multimode waveguide cores.

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