Abstract Submitted
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Design and implementation of a photonic device with large tunable group delay KWOK LO, TAO ZHOU, New Jersey Institute of Technology — We have designed and fabricated an optical fiber based photonic device exhibiting very large tunable group delay, with delay time in the order of microsecond, by taking advantage of polarization related group delay in multiple section of PM fibers. More importantly, this large group delay can be tuned swiftly through external control. Such a device is potentially very helpful for all optical switching/routing and microwave photonic controlling, in which large tunable group delay is needed.

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