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On the effectiveness of nonlinearity compensation for high-baudrate single-channel transmissions

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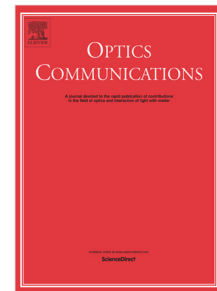
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Highlights

- Nonlinear compensation (NLC) improves performance of fiber optic communication systems
- Effectiveness of NLC techniques for high baudrate is quickly reduced under lumped amplification and limited DSP power
- Raman amplification improves gain profile flatness and thus significantly increases performance of OPC and PCTW
- 200-Gbaud fiber transmission is achieved through DBP scheme with 40 steps per span

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