troduction Nonlinear Optics Computational model Conclusion

Thermal tuning of phase-matching in a multimodal SOI waveguide with $\chi^{(3)}$ non linearity

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Outline

Introduction

Nonlinear Optics

Four-Wave Mixing
Conservation of energy and momentum
Multimodal Waveguides
Peak tuning
Thermo-Optic Coefficient

Computational model

Mode simulation

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Results

Conclusion

ciao