Budowa Silesia Photonics

Intelligent Customization Process for Optical Power Dividers in Distribution Network Automation

Overview

In this study, the design of photonic crystal power dividers is addressed using a two-stage deep learning strategy with Deep Convolutional Generative Adversarial Networks (DCGANs). The study primarily aims for high-resolution designs compared to the existing methods. This approach expands the. Siemens Distribution Automation functionality ranges from monitoring to fully automated applications, including FLISR (fault location, isolation and service restoration), voltage and reactive power compensation and power quality. Ensure an efficient, stable, secure and sustainable power supply and. Huawei has developed the Native Hard Pipe (NHP) solution in the optical communications field, covering power transmission and transformation communication networks, power distribution communication networks, and all-optical substations. Products. Department of Photonics & Graduate Institute of Electro-Optical Engineering, College of Electrical and Computer Engineering, National Yang Ming Chiao Tung University, Hsinchu 30010, Taiwan Department of Photonics & Graduate Institute of Electro-Optical Engineering, College of Electrical and.

Article Content

Distribution network automation design and intelligent distributed FA ...

With the continuous expansion of the distribution network, the automation transformation and construction of the distribution network has become a necessity. Ho

Distribution Automation

Distribution automation (DA) is a family of technologies, including sensors, processors, information and communication networks, and switches, through which a utility can collect, automate, analyze, and ...

Power optimization of 1:2 and 1:4 photonic crystal based optical power ...

In this article, we propose the design of two power splitters—3 dB and 6 dB Y-shaped configurations—that also function as power combiners using two-dimensional photonic crystal ...

A deep learning approach for high-resolution and enhanced efficiency ...

In this study, the design of photonic crystal power dividers is addressed using a two-stage deep learning strategy with Deep Convolutional Generative Adversarial Networks (DCGANs). ...

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A deep learning approach for high-resolution and ...

In this study, the design of photonic crystal power dividers is addressed using a two-stage deep learning strategy with Deep Convolutional ...

Design and optimization of optical power splitters for optical access ...

This paper aims to study the design, simulation, and optimization of low-loss Y-branch passive optical splitters up to 64 output ports for telecommunication applications. For a waveguide ...

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Design and optimization of optical power splitters for …

This paper aims to study the design, simulation, and optimization of low-loss Y-branch passive optical splitters up to 64 output ports for …

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