# Article information:

A Wideband Bandpass Power Divider With Out-of-Band Multi-Transmission Zeros and Controllable Equal-Ripple Levels | IEEE Journals & Magazine | IEEE Xplore
<https://ieeexplore.ieee.org/abstract/document/9563097>

# Article summary:

1. 提出了一种新型宽带带通功分器，具有带外多传输零点和可控等纹波水平。

2. 通过选择设计参数，该拓扑结构可以在通带内提供可控的等纹波响应，并且可以独立设计带外抑制水平和传输零点。

3. 该算法能够同时导出特征阻抗、耦合强度和隔离电阻的一般联立方程，从而实现多个反射零点和隔离零点。

# Article rating:

May be slightly imbalanced: The article presents the information in a generally reliable way, but there are minor points of consideration that could be explored further or claims that are not fully backed by appropriate evidence. Some perspectives may also be omitted, and you are encouraged to use the research topics section to explore the topic further.

# Article analysis:

作为一篇学术论文，该文章并没有明显的偏见或宣传内容。然而，它可能存在一些缺失的考虑点和未探索的反驳。例如，文章没有讨论该新型PD与其他已有PD拓扑结构的比较，也没有提及其在实际应用中可能面临的风险和限制。此外，文章只是简单地提到了设计参数如何选择以实现所需性能，并没有给出详细的证据或分析来支持这些选择。因此，在未来研究中，需要更全面地评估该新型PD与其他PD拓扑结构之间的优劣，并进一步探索其在实际应用中的潜在风险和限制。

# Topics for further research:

* Comparison with other PD topologies
* Potential risks and limitations in practical applications
* Detailed evidence or analysis to support design parameter choices
* Comprehensive evaluation of advantages and disadvantages compared to other PD topologies
* Further exploration of potential risks and limitations in practical applications
* In-depth analysis of design parameter choices and their impact on performance.

# Report location:

<https://www.fullpicture.app/item/c51f7309f27cdbda19ca220d94cad724>