

Exploring the Role of Artificial Intelligence in Modern Analog Circuit Design

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Abstract: *In this review paper, various approaches to machine learning are being reviewed. This work is a review. In addition, significant aspects such as power efficiency, latency, and accuracy are being taken into consideration in order to verify the output. The flow of the paper begins with a fundamental introduction to machine learning and analog circuits, followed by a discussion of various machine learning techniques. Following that, the application of machine learning to analog circuits is discussed using a variety of methods, and finally, the conclusion and references are presented.*

Keywords: Analog-to-Digital Conversion, Signal Amplification, Filter Design.