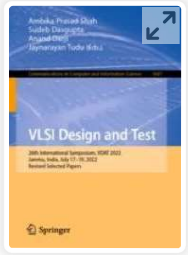


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# Synthesis of LUT Based Approximating Formal Error

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## Abstract

Approximate computing relaxes accuracy, enhance efficiency, and benefit in terms of area. It is widely popular in emerging applications like mining, search, vision, recognition where inaccuracies are tolerable. This tolerance towards errors is exploited to design circuits. The most crucial stage is to strike the proper balance between error and output quality. A systematic framework is used for