

International Conference on Intelligent Sustainable Systems
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TECHNICAL COMMENTS

Title : A study based on Successive Approximation ADC A review on design advancements in techniques of SAR ADC

Paper ID: ICISS112

Review Comments 1:

1. A study based on successive approximation ADC is proposed title of the paper.
2. Keywords to start with capital letters. Conceptual illustration of proposed problem formulation should be projected and elaborated in the paper.
3. An elaborate survey of literature is missing. This section is mandatory. A minimum of 15 – 20 recent publications to be included and studied in this section. Findings should be presented in a tabular form. Limitations of existing methods should be strongly emphasized by authors.
4. SARs are existing in literature. Hence, the novelty of proposed design over conventional models should be strongly emphasized by authors.
5. How is figure 2 obtained? More clarity in explanation is required
6. Simulation tool, settings should be clearly elaborated by authors. Figures to be of high resolution and quality. Markers to be used in figures to identify essential sections of the paper
7. A comparative analysis of observed metrics over conventional models should be projected and elaborated by authors. More clarity on DNL and INL is required.

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Review Comments 2:

1. A Study Based On Successive Approximation ADC is title of the paper.
2. The feature difference between conventional ADC and SAR ADC should be highlighted by the authors in a tabulation manner in the introduction section.
3. Why the binary search algorithm is mostly preferred in SAR ADC? Authors to explain.
4. All the figures and designs used in the article should be cited with respective references.
5. Authors are suggested to discuss the novelty of the research work as all the sources are considered from existing research work.
6. Whether performance metrics given in section X is performed by the authors or it is taken from existing works? Authors to clarify. If not done by authors mention respective sources and discuss the merits and demerits in a technical manner.

Thank you

Yours sincerely,

Dr. V. Sudha

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