



6th International Conference on Inventive Computation Technologies

20-22 January, 2021 | Coimbatore, India

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6th International Conference on Inventive Computation Technologies (ICICT-2021) Technical comments

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

Paper id- ICICT-009

Review comments -1

1. A study on successive approximation ADC – given title
2. Concept is quite old. How is novelty in study emphasized in proposed work?
3. Some empty spaces are observed in page 1. Authors to check and revise.
4. Figures should be of high resolution and quality. Elaborate survey comprising of 15 recent publications should be presented. What are the existing limitations? How are they overcome in proposed work?
5. Why a CMOS layout is projected? How is it modeled? What is its relevance in proposed work? Authors to elaborate on these points
6. Marking to be used on schematics to highlight essential findings.
7. SA ADCs are characterized by high cost and complexity. How is this handled in proposed study? How is it different from dual slope ADC?
8. What is the observed resolution?

Review comments -2

1. A study based on Successive Approximation ADC A review on design advancements in techniques of SAR ADC is title of the paper.
2. Various existing techniques are highlighted in the introduction section as an overview. All the techniques should be cited with relevant references. Also the merits and demerits should be discussed by the authors.
3. The features of successive approximation register ADC should be discussed with respect to conventional ADC as a comparative analysis.
4. All the layouts, design structures, equations should be cited properly. Authors are suggested to include the same.
5. Authors should summarize the findings and present the research gap from the study.
6. Along with design analysis, performance analysis can also be included for more information.

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Sincerely,

Dr.S. Smys,
Professor,
Department of CSE,
RVS Technical Campus,
Coimbatore,
India.

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