

# JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES

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## AN EFFICIENT NUMERICAL SCHEME FOR STATIC TORQUE PROFILING OF SWITCHED RELUCTANCE MACHINE WITH EXPERIMENTAL VALIDATION

#### Reviewer 1: --

- 1. The sentence construction should be proper in several sections in this article to be modified.
- 2. In several sections' sentences and paragraphs have some margin and space problem, which needs to be properly adjusted.
- 3. In several sections in this article, some sentences have spelling and grammar mistakes, which need to be corrected.

Page No.	Actual	Suggested
1	<u>Are</u>	<u>Is</u>
1	use experimental	use an experimental
1	for electromagnetic	for the electromagnetic
1	develop efficient	develop an efficient
1	Characteristic	Characteristics
1	compare performance of proposed	compare the performance of the proposed
1	At	<u>In</u>
1	with existing	with an existing
1	of static	of the static
1	Taking	Taken
2	in the near future	Shortly
2	Successive	Successful
2	complicating motor	complicating the motor
3	torque, based on	torque, are based on
3	varies, and, moreover, they are	varies, and they are
3	inductance by means of direct	inductance using the direct
3	Device	Devices
3	DC current that	DC that
3	into motor	into the motor
3	a number of	Several
3	as search	as the search
3	referred as	referred to as
3	motor	Motors
3	angle	Angles
3	Using	Used

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3	using mathematical	used a mathematical
3	obtain best	obtain the best
3	Value	<b>Values</b>
3	Environment	Environments
4	Simulation	The simulation
4	have highly	have a highly
4	Method	Methods
4	by Gravitational	by the Gravitational
4	using numerical	using the numerical
4	Compute	Computing
4	of computed	of the computed
4	with reference to	Concerning
4	using software	using a software
4	on the basis of	based on
4	Check	Checks
4	by following	by the following
6	forms basis	forms the basis
6	taken in	taken for
6	at unaligned	at the unaligned
6	Produced	Producing
6	in order to	To
6	using Lab	using the Lab
6	a SRM	an SRM
6	with respect to	Concerning
6	for validation	for the validation
7	Purpose	Purposes
7	as existing	an existing
7	Propose	Proposed
8	evaluate performance	evaluate the performance
8	Existing	to existing
8	carried out the simulation in	Simulated
8	position from -30 to 30 degree	positions from -30 to 30 degrees
8	Range	Ranges
8	At	<u>In</u>
9	of machine	of the machine
9	through proposed	through the proposed
9	exhibit considerable	exhibit the considerable
9	Correspond	Corresponds
9	of peak	of a peak
11	at different position	at a different position

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11	methodology initiated	Methodology was initiated
11	of flux	Of the flux
11	Then, advanced	Then, an advanced
11	using finite	Using a finite
11	of proposed	of the proposed
11	with existing	with the existing
11	as reference	as a reference

### **Comments to Editor:**

1. After some modification as per the reviewer's comments, the article can be accepted for possible publication

#### Reviewer 2: --

- 1. The paper should be written properly in JMCMS Journal format.
- 2. References and in-text citations are not in JMCMS Journal format. More references should be included and sequentially/adequately arranged, as cited in the text.
- 3. Authors are advised that the abstract part should be more specific.
- 4. Result and Discussion section should be specific and informative.
- 5. Conflict of interest regarding the article should be mention in the text.

#### **Comments to Editor:**

1. This article needs some modification. After some modification, the article can be accepted for possible publication.

#### Reviewer 3: --

- 1. The Paper should be written in JMCMS Journal format.
- 2. References and in-text citations are not in JMCMS format. More references should be included and sequentially/adequately arranged, as cited in the text.
- 3. The abstract part is needed to be modified and try to write in short.
- 4. All the pictures should be clear and the resolution should be high.
- 5. Conflict of interest regarding the article should be mention in the text.

#### **Comments to Editor:**

1. After modifying the said points, the paper can be accepted for possible publication.

[Note: This is a computer-generated Report hence, no need for any Signature.]