

A New Fixed Switching Frequency Direct Torque Controlled PMSM Drives with Low Ripple in Flux and Torque

Tole Sutikno, Nik Rumzi Nik Idris, Auzani Jidin

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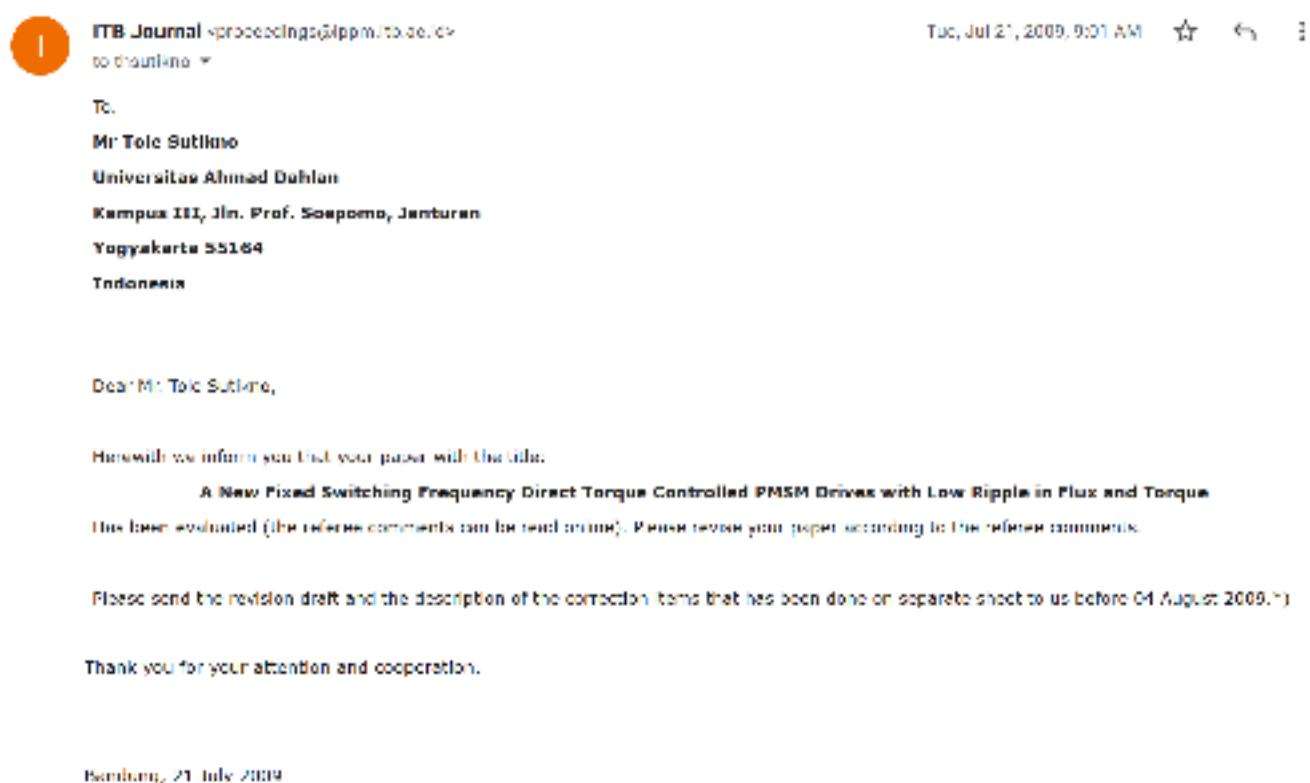
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Herewith we inform you that your paper with the title:
A New Fixed Switching Frequency Direct Torque Controlled PMSM Drives with Low Ripple in Flux and Torque
has been evaluated (the referee comments can be read above). Please revise your paper according to the referee comments.

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Dear Mr. Tole Sudikno,

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Has been evaluated. Your paper can be published after you make a major revision according to the referee comments.

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Thank you for your attention and cooperation.

Bandung, 27 May 2010

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Chief Editor ITB, Indonesia

I have finished my paper revision (attached) for ITB Journal "B. Series Engineering Science". Please send me further information if any something about my revision.
Thanks

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3 Attachments



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We have received your revised paper. We will send it to our reviewer and we will inform you. Once other we have another review of your paper

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May 6, 2011, 8:20 AM

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Dear Mr. Mr Tole Sutikno,

We need your confirmation about whether or not you will revise your article with the title:

A New Fixed Switching Frequency Direct torque controlled PMSM drives with low Ripple In Flux and Torque

Please send your confirmation to us before 20 May 2011. If you plan you will not work, please inform us your decision.

Response terkait notifikasi untuk mengirim revisi artikel: 6 Mei 2011



Tole H Sutikno <thsutikno@gmail.com>

Inbox

May 9, 2011, 8:03 AM



Dear Prof. Dr. Bambang Riyanto T.,

Thank you for your reminder.

Actually, We have been revising our paper. The paper has been checking and updating by second author (Dr. Auzani Jibril, ST,MT, Mekat). The working is planned complete in this week. We will immediately submit our revision. We hope can significantly improve our paper.

Sincerely yours,
Tole Sutikno

Kirim revisi: 10 Mei 2011



Tole H Sutikno <thsutikno@eee.org.id>
to Tole, ITB

May 10, 2011, 5:12 PM



Dear Prof. Dr. Bambang Riyanto T.,
Chief Editor of ITB Journal

Please find our revised paper as attached.

We have improved the abstract, introduction section, critical review section, enhance the figures, checking of the grammar and typos.
3.B09037-03_signed_final.doc (see file size: 157K) --> file with highlighted revisions
3.B09037-03_final (camera ready).doc (see file size: 455K) --> file for camera ready

We hope the revised paper will be suitable for your journal standard.
Thank you very much for your cooperation.

Sincerely yours,

Tole Sutikno

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2 Attachments



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Thank you very much for your immedient, but we can not found the link "Review article".
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Could you please help us?

:: Article Summary ::

Title	A New Dead Switching Frequency Crossover Torque Controlled PMSM Drive with Low Ripple In Current and Torque
Author(s)	Mr. Tole Sudikno, Nik Gunawati Nik Idris, Asepsetiadi
Series	ITB Engineering Science
Abstract	The main concept of Direct Torque Control (DTC) of Permanent Magnet Synchronous Motor (PMSM) drive compared to field oriented control (FOC) scheme is to utilize simplicity, since no coordinate transformation, and no Pulse Width Modulation (PWM) generation are required. However, high torque ripples are produced when making use of full vector control in conventional DTC scheme of PMSM drive. This paper presents a new DTC scheme of PMSM drives, which the flux hysteresis control in conventional (hybrid) DTC scheme is retained, and only the torque control is replaced by new torque controller. The comparison of torque and flux ripples performance obtained between conventional DTC scheme and proposed DTC scheme with three different switching tables will be investigated. The paper also will explain the construction of DTC scheme implemented using MATLAB-Simulink codes. Simulation results has shown that an usual low switching frequency and reduction of torque and flux ripples can be achieved through the proposed DTC scheme. This proposed scheme has been reduced torque ripple up to 10%.
Status	Review In Progress
History	<p>3rd Submission (31 May 2010) Article File : B09037-03.doc</p> <p>Author's Comment: The comment of Reviewer #3 (English should be improved) has been done. Some of sentence also was revised (marked sentences or changes).</p> <p>Reviewer #1:</p> <ul style="list-style-type: none">+ Evaluation Result :+ Comment : <p>Reviewer #2:</p> <ul style="list-style-type: none">+ Evaluation Result :+ Comment : <p>Reviewer #3 :</p> <ul style="list-style-type: none">+ Evaluation Result :+ Comment :

2nd Submission (31 July 2009)

Article File : [B09037-02.doc](#)

Author's Comment :

Until now not yet researchers present DTC scheme of PMSM drive as like authors proposed (note: to implement a DTC scheme structure of induction machine is different compared to implement in PMSM, it need a modification) Now: the adding investigate two DTC schemes of PMSM drive have done to improve this paper.

Reviewer #1 :

- + Evaluation Result :
- + Comment :

Reviewer #2 :

- + Evaluation Result :
- + Comment :

Reviewer #3 :

- + Evaluation Result :
[Could be published with minor revision](#)
- + Comment :

English shoud be improved (marked sentences or phrases).

*see attachment.

[Reviewer #3]

+ Comment File :
[comment353.doc](#)

1st Submission (09 May 2009)

Article File : [B09037-01.doc](#)

Reviewer #1 :

- + Evaluation Result :
[It is not worth to publish based on the above reasons](#)
- + Comment :

The model/dynamics of the system discussed in this paper are not described clearly.

The authors did not clearly describe the modification they made on the proposed controller from the existing controller (Nik Rumzi Nik Idris, Chuen Ling Toh, and Malik E. Elbuluk, "A New Torque and Flux Controller for Direct Torque Control of Induction Machines", IEEE Transactions on Industry Applications, Vol. 42, No. 6, November/December 2006.

[Reviewer #1]

+ Comment File :
[comment309.doc](#)

Reviewer #2 :

- + Evaluation Result :
[Could be published with minor revision](#)
- + Comment :

Some sentences are gramatically wrong, but perhaps, some people will understand if they approach from the same point of view (-Bahasa Indonesia). Please check grammar and sentences.

Comment on the text:

Page 1. Abstract-> ... drive compared to field oriented vector (FOC)

Page 4. Section 2.3. -> ... is in the middle level ($cT=0$) which can be... -> cT in cT should be written in subscript (smaller than the baseline text.)

Page 5. Paragraph 2 -> ... conventional DTC (similar techniques used in induction machine) have been... -> written without 'those'

Page 5. Paragraph 3 -> Most modifications of DTC PMSM drive appointed above...

Page 7. Paragraph 1 -> ... DQ transformation and torque and flux estimator respectively shown in Figures 7 and 8.

Page 11. Section 5, paragraph 1 -> needs correction of the sentence. (... and it's right side? ...)

Page 12. Section 6 -> The simulation result has shown that an almost... -> written without 'been'

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Kampus III UAD, Jln. Prof. Soegomo
Yogyakarta 55164
Indonesia

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Herenith we inform you that your paper with the title:

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Banteng, 20 May 2011

Prof. Dr. Bambang Nyanta T.
Chief Editor

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Yogyakarta 55164
Indonesia

Dear Mr. Tole Sutikno,

Herenith we send you the editing result of your paper with the title:

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for your final reading. Please give us comments and send it back to us before 28 June 2011*).

Thank you for your attention and cooperation.

Bandung, 14 June 2011

Bini S. Permatasuci

Publication Assistance

