

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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Artikel dikirim by system pada: 9 Mei 2009

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Keputusan revisi pertama: 21 Juli 2009



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to thsutikno ▾

Tue, Jul 21, 2009, 9:01 AM



To.

Mr Tole Sutikno

Universitas Ahmad Dahlan

Kampus III, Jln. Prof. Soepomo, Janturan

Yogyakarta 55164

Indonesia

Dear Mr. Tole Sutikno,

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 online). Please revise your paper according to the referee comments.

Please send the revision draft and the description of the correction items that has been done on separate sheet to us before 04 August 2009.*)

Thank you for your attention and cooperation.

Bandung, 21 July 2009

Dr. Bambang Riyanto T.

Chief Editor

Keputusan revisi kedua: 9 Maret 2010



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May 27, 2010, 8:35 AM



To.

Mr Tole Sutikno
Universitas Ahmad Dahlan
Kampus III, Jln. Prof. Soepomo, Janturan
Yogyakarta 55164
Indonesia

Dear Mr. Tole Sutikno,

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

Please send the revision draft and the description of the correction items that has been done on separate sheet to us before 10 June 2010.*)

Thank you for your attention and cooperation.

Bandung, 27 May 2010

Prof. Dr. Bambang Riyanto T.
Chief Editor

*Cat : hasil review bisa dilihat di web dengan (username : thsutikno@gmail.com; password : -----; login as : author)

Kirim Revisi: 25 April 2021



Tole H Sutikno <thsutikno@gmail.com>
to Tole, ITB, thsutikno ▾

Jul 31, 2009, 1:00 AM



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

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

Thank's

Best regards,
Tole Sutikno

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3 Attachments



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to thsutikno ▾

Jul 31, 2009, 8:06 AM



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

Notifikasi untuk segera mengirim revisi: 6 Mei 2011

Notification for Author IEEE/IEEE member x



ITB Journal <proceedings@lppm.itb.ac.id>
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Fri, May 6, 2011, 8:30 AM

To.

Mr Tole Sutikno
Ahmad Dahlan University
Kampus III UAD, Jln. Prof. Soepomo
Yogyakarta 55164
Indonesia

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 revise please inform us your decision.

Response terkait notifikasi untuk mengirim revisi artikel: 6 Mei 2011



Tole H Sutikno <thsutikno@gmail.com>
to ITB ▾

May 6, 2011, 8:53 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 Jidin, UTeM Melaka). 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@ieee.org>
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 \(application/msword\) 457K](#) ==> file with highlighted revisions

[3 B09037-03 final \(camera ready\).doc \(application/msword\) 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

[Message clipped] [View entire message](#)

2 Attachments



Permintaan kirim dengan upload ke system: 11 Mei 2011



ITB Journal proceedings@lppm.itb.ac.id via srs.ieee.org
to Tole ▾

May 11, 2011, 7:40 AM ☆

Dear Author,

Thank you for revising your article. We would like you to upload your revision and insert your comment to our web. Firstly, you should login to your account then find AUTHOR MENU, Click "view submitted article" to see your article list. Then you click "revise article" for uploading your revision.

We should be grateful if you are able to upload your revision for further process.

Regards,
ITB Journal



Tole H Sutikno <thsutikno@gmail.com>
to ITB ▾

May 11, 2011, 10:22 AM ☆ ↶ ⋮

Dear Prof. Bambang,

Thank you very much for your information, but **we can not found the link "Revise article"**.
Actually, we not found the review comments at the 3rd stage review. We only get the information to improve our paper from your email. Could you please help us?

:: Article Summary ::

Title	A New Fixed Switching Frequency Direct Torque Controlled PMSM Drives with Low Ripple in Flux and Torque
Author(s)	Mr. Tole Sutikno, Nik Rumzi Nik Idris, Auzani Jidin
Series	B : Engineering Science
Abstract	The main urgent of Direct Torque Control (DTC) of Permanent Magnet Synchronous Motor (PMSM) drive compared to field oriented vector control (FOC) scheme is its structure simplicity, since no coordinate transformations, and no Pulse Width Modulation (PWM) generation are required. However, high torque and current ripple is produced when making use of full voltage vectors in conventional DTC scheme of PMSM drive. This paper presents a new DTC scheme of PMSM drives, which the flux hysteresis controller in conventional (hysteresis) DTC structure is retained, and only the hysteresis torque controller is replaced by new torque controller. The comparison of torque and flux ripple performance obtained between conventional DTC scheme and proposed DTC schemes each with three different switching tables will be investigated. This paper also will explain the construction of DTC schemes implemented using MATLAB-Simulink blocks. Simulation result has shown that an almost fixed switching frequency and reduction of flux and torque ripple can be achieved through the proposed DTC scheme. This proposed scheme has been reduced torque ripple until 90%.
Status	Review In Progress
History	3rd Submission (31 May 2010) Article File : B09037-03.doc Author's Comment : The comment of Reviewer #3 (English should be improved) has been done. Some of sentences also was revised (marked sentences or phrases). Reviewer #1 : <ul style="list-style-type: none">• Evaluation Result :• Comment : Reviewer #2 : <ul style="list-style-type: none">• Evaluation Result :• Comment : Reviewer #3 : <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) **New**: 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 should 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](#)

Reviewer #2 :

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

Some sentences are grammatically 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... -> T 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**"

Permintaan upload revisi dengan klik "view submitted article": 20 Mei 2011



ITB Journal proceedings@lppm.itb.ac.id via srs.ieee.org
to thsutikno

May 20, 2011, 10:46 AM ☆ ←

To.

Mr Tole Sutikno
Ahmad Dahlan University
Kampus III UAD, Jln. Prof. Soepomo
Yogyakarta 55164
Indonesia

Dear Mr. Tole Sutikno,

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

is now able to be uploaded.

Please find author menu then click 'view submitted article' and 'revise article' hence you are able to upload your revision before 24 May 2011.*)

Thank you for your attention and cooperation.

Bandung, 20 May 2011

Prof. Dr. Bambang Riyanto T.
Chief Editor

Proofread: 14 Juni 2011

Proof Read Article Inbox x



ITB Journal <proceedings@lppm.itb.ac.id>
to thsutikno, me

Tue, Jun 14, 2011, 2:25 PM ☆ ← ⋮

To.

Mr. Tole Sutikno
Ahmad Dahlan University
Kampus III UAD, Jln. Prof. Soepomo
Yogyakarta 55164
Indonesia

Dear Mr. Tole Sutikno,

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

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

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

Dini S. Permatasari

Publication Assistance

