

PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA

MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH



Publications of professor Hilal RAHALI

13-02-2022

Title	LINK
Sliding mode control based on backstepping approach for a double star induction motor (DSIM)	https://www.worldscientific.com/doi/abs/10.1142/S1469026819500123 ¹
Adaptive field-oriented control using supervisory type-2 fuzzy control for dual star induction machine	http://www.inass.sakura.ne.jp/inass/2017/2017083104.pdf ²
Backstepping Sliding Mode Controller Improved with Interval Type-2 Fuzzy Logic Applied to the Dual Star Induction Motor	https://www.worldscientific.com/doi/abs/10.1142/S1469026819500123 ³
Comportement d'un modèle d'isolateur sous différentes configurations de pollution sous tension alternative 50 Hz	https://www.ccdz.cerist.dz/admin/notice.php?id=0000000000000867237000610 ⁴
Commandes non linéaires hybrides et robustes de la machine asynchrone à double étoile «MASDE»	http://dspace.univ-msila.dz:8080/xmlui/handle/123456789/19142 ⁵
Modeling Electric Field and Potential Distribution of an Model of Insulator in Two Dimensions by the Finite Element Method	https://core.ac.uk/download/pdf/234763928.pdf ⁶
Contribution à l'étude de l'état de surface d'un modèle plan d'isolateurs pollués.	https://www.pnst.cerist.dz/detail.php?id=889343 ⁷
Fault Tolerant Control of Robot Manipulators Based on Adaptive Fuzzy Type-2 Backstepping in Attendance of Payload Variation	http://www.inass.org/2021/2021083128.pdf ⁸
ROBUST SLIDING MODE CONTROL VIA TYPE-2 FUZZY LOGIC FOR DOUBLY STAR INDUCTION MOTOR	https://www.worldscientific.com/doi/abs/10.1142/S1469026819500123 ⁹
Modeling Electric Field and Potential Distribution of an Model of Insulator in Two Dimensions by the Finite Element Method	https://core.ac.uk/download/pdf/234763928.pdf ¹⁰
Contribution à l'étude de l'état de surface d'un modèle plan d'isolateurs pollués.	https://www.pnst.cerist.dz/detail.php?id=889343 ¹¹
Modélisation empirique du courant de fuite d'une surface isolante sous pollution non uniforme sous tension alternative	///// ¹²
Etude des décharges parallèles et du déphasage entre le courant de fuite et la tension appliquée sur un modèle d'isolateur sous tension alternative.	///// ¹³

Reference:

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- ¹ Rahali, H., Zeghlache, S., Benyettou, L., & Benalia, L. (2019). Backstepping Sliding Mode Controller Improved with Interval Type-2 Fuzzy Logic Applied to the Dual Star Induction Motor. *International Journal of Computational Intelligence and Applications*, 18(02), 1950012.
 - ² Rahali, H., Zeghlache, S., & Benalia, L. (2017). Adaptive field-oriented control using supervisory type-2 fuzzy control for dual star induction machine. *parameters*, 29(2017).
 - ³ Rahali, H., Zeghlache, S., Benyettou, L., & Benalia, L. (2019). Backstepping Sliding Mode Controller Improved with Interval Type-2 Fuzzy Logic Applied to the Dual Star Induction Motor. *International Journal of Computational Intelligence and Applications*, 18(02), 1950012.
 - ⁴ Rahali, H. (2011). Comportement d'un modèle d'isolateur sous différentes configurations de pollution sous tension alternative 50 Hz (Doctoral dissertation, Alger, Ecole Nationale Polytechnique).
 - ⁵ RAHALI, H. (2020). Commandes non linéaires hybrides et robustes de la machine asynchrone à double étoile «MASDE» (Doctoral dissertation, UNIVERSITE MOHAMED BOUDIAF-M'SILA).
 - ⁶ M'ziou, N., Benguesmia, H., & Rahali, H. (1972). Modeling Electric Field and Potential Distribution of an Model of Insulator in Two Dimensions by the Finite Element Method.
 - ⁷ RAHALI, H. (1971). Contribution à l'étude de l'état de surface d'un modèle plan d'isolateurs pollués (Doctoral dissertation, Université de M'Sila-Mohamed Boudiaf).
 - ⁸ Rahali, H., Zeghlache, S., & Benyettou, L. (2021). Fault Tolerant Control of Robot Manipulators Based on Adaptive Fuzzy Type-2 Backstepping in Attendance of Payload Variation. *International Journal of Intelligent Engineering and Systems*, 14(4), 312-325.
 - ⁹ Rahali, H., Zeghlache, S., Benyettou, L., & Benalia, L. (2019). Backstepping Sliding Mode Controller Improved with Interval Type-2 Fuzzy Logic Applied to the Dual Star Induction Motor. *International Journal of Computational Intelligence and Applications*, 18(02), 1950012.
 - ¹⁰ M'ziou, N., Benguesmia, H., & Rahali, H. (1972). Modeling Electric Field and Potential Distribution of an Model of Insulator in Two Dimensions by the Finite Element Method.
 - ¹¹ RAHALI, H. (1971). Contribution à l'étude de l'état de surface d'un modèle plan d'isolateurs pollués (Doctoral dissertation, Université de M'Sila-Mohamed Boudiaf).
 - ¹² Rahali, H., & Mekhaldi, A. Modélisation empirique du courant de fuite d'une surface isolante sous pollution non uniforme sous tension alternative.
 - ¹³ Rahali, H., & Mekhaldi, A. Etude des décharges parallèles et du déphasage entre le courant de fuite et la tension appliquée sur un modèle d'isolateur sous tension alternative.