



( 1 )

, "Adaptive power series solution for second order ordinary differential equations with initial conditions," IEEE Conference on Communications, Signal Processing, and their Applications (ICCSPA), 2015 International, AUS, 1-6, pp. Feb 2015.

Tarek I. Haweel and and AM Alhasan

**Abstract:**

NULL

**Keywords:**

NULL

**Published In:**

IEEE Conference on Communications, Signal Processing, and their Applications (ICCSPA), 2015 International, AUS, 1-6, pp. Feb , NULL , 1-6



---

( 2 )

# Power series neural network solution for ordinary differential equations with initial conditions

Tarek I. Haweel and Abdelhameed, T.N.

## Abstract:

NULL

## Keywords:

NULL

## Published In:

IEEE Conference on Communications, Signal Processing, and their Applications (ICCSPA), 2015 International, AUS, 1-5, pp. Feb 2015 , NULL , NULL



---

( 3 )

## Adaptive Multichannel LMS Signal Decoupling

Tarek I. Haweel and M. T. Haweel

### Abstract:

NULL

### Keywords:

NULL

### Published In:

IEEE Conference on Communications, Signal Processing, and their Applications (ICCSPA), 2015 International, AUS ,  
NULL , 1-5



( 4 )

# Volterra Neural Analysis of Fetal Cardiotocographic Signals

Tarek I Haweel and Javid I Bangash

## Abstract:

NULL

## Keywords:

NULL

## Published In:

IEEE International Conference on Communications, Signal Processing and Their Applications (ICCSPA'13), American University of Sharjah, UAE, 11-14-Feb-2013. , NULL , 1-5



---

( 5 )  
Modeling Induction Motors

Tarek I Haweel

**Abstract:**

NULL

**Keywords:**

NULL

**Published In:**

International Journal on Electrical Engineering and Informatics , V.4, N. 2 , pp. 361-370



---

( 6 )

# Modeling nonlinear multi-input multi-output systems using neural networks based on Volterra series

Tarek I Haweel and Fahd A. Alturki

## Abstract:

NULL

## Keywords:

NULL

## Published In:

Proceedings of the Control and Applications Conference (CA 2009) July 13 - 15, 2009 Cambridge, UK, pp. 133-139. , NULL , 133-139



---

( 7 )

## A simple variable step size LMS adaptive algorithm

Tarek I Haweel

### Abstract:

NULL

### Keywords:

NULL

### Published In:

International Journal of Circuit Theory and Applications , 32 , :523-536.



---

( 8 )

## Adaptive LMS 2D Discrete orthogonal transforms

Track I Haweel and Taha A>

### Abstract:

NULL

### Keywords:

NULL

### Published In:

Journal of Engineering Sciences , Vol. 30, No. 3 , 783-798





---

( 9 )

## A new square wave transform based on the DCT

Tarek I Haweel

### Abstract:

NULL

### Keywords:

NULL

### Published In:

Signal Processing, an International Journal of the European Signal Processing Society , 81 , 2309-2319.



---

( 10 )

# Parametric and non-parametric characterization of an induction motor using Volterra neural networks

Tarek I Haweel and Yehia S. Mohamed

## Abstract:

NULL

## Keywords:

NULL

## Published In:

Journal of Engineering Sciences , Vol. 30, No. 1 , 189-199



---

( 11 )

## Recognition of numerals using fuzzy logic

16- Tarek I Haweel and Mahmoud Y. El\_Bakry

### Abstract:

NULL

### Keywords:

NULL

### Published In:

Journal of Engineering Sciences , Vol. 30, No. 1 , 201-215



---

( 12 )  
Neural networks based on Volterra series

Tarek I Haweel

**Abstract:**

NULL

**Keywords:**

NULL

**Published In:**

Bulletin of the faculty of Engineering , Vol. 29, No. 2 , 149-160



---

( 13 )

# Adaptive harmonic estimation for power system protection

Tarek I Haweel

## Abstract:

NULL

## Keywords:

NULL

## Published In:

The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, COMPEL , Vol. 19, No. 4 , 1007-1015



---

( 14 )

## Adaptive least mean squares block Volterra filters

Tarek I Haweel

### Abstract:

NULL

### Keywords:

NULL

### Published In:

International Journal of Circuit Theory and Applications , vol. 29, No. 4 , NULL



---

( 15 )

## Signed discrete cosine square wave transform

Tarek I Haweel

### Abstract:

NULL

### Keywords:

NULL

### Published In:

Journal of Engineering Sciences , Vol. 27, No. 1 . . , 169-176



---

( 16 )

# A universal neural network representation for Hadron-Hadron interactions at high energy

22- Khaled A. El\_Metwally, Tarek I Haweel and Mahmoud Y. El\_Bakry

## Abstract:

NULL

## Keywords:

NULL

## Published In:

International Journal for modern physics C , Vol. 11, No. 3 , 619-628.





---

( 17 )

# Fourier analysis for Proton-Proton interaction at high energy

Tarek I Haweel and Mahmoud Y. EL\_Bakry

## Abstract:

NULL

## Keywords:

NULL

## Published In:

International Journal For Theoretical Physics , Vol. 38, No. 10 , 2605-2616.



---

( 18 )

# A trigonometric Fourier Series based analysis for Proton-Proton interaction at high energy

Tarek I Haweel and Mahmoud Y. El\_Bakry

## Abstract:

NULL

## Keywords:

NULL

## Published In:

Bulletin of the faculty of Engineering, , Vol. 27, No. 2 , 223-230



---

( 19 )

## A signed variable step size LMS adaptive algorithm

Tare I Haweel

### Abstract:

NULL

### Keywords:

NULL

### Published In:

Journal of Engineering Sciences , Vol. 27, No. 1 , 169-176



---

( 20 )

# Design of fixed point state space digital filters with low round off noise

M. F. Fahmy, Y. M. Yassin, G. A. Raheem and Tarek I. Haweel

## Abstract:

NULL

## Keywords:

NULL

## Published In:

International Journal of Circuit Theory and Applications , vol. 22 , 3-13