

CURRICULUM-VITAE

Professor Dr. Ali M. Abd-El-Tawwab Ali
Automotive & tractor Eng. Dept.
Faculty of Engineering – Minia University
Minia, Egypt.



PERSONAL INFORMATION – GENERAL

Name : Ali M. Abd-El-Tawwab Ali

Date & Place of Birth : 24/11/1962 Fabrica Baba- Baba- Beni Suef

Present Position : Dean of the Egyptian-Korean College of Industrial and Energy
Technology - Beni Suef Technological University .

Languages : Arabic and English

EDUCATION – QUALIFICATIONS

- **1995** : Ph.D.
Channel Scheme arrangement
between Leeds University in England
and Minia University in Egypt.
Automotive and Tractor Engineering
Department, Faculty of Engineering,
Minia University, Minia, Egypt. And
Mechanical Engineering, Leeds
University, Leeds, LS2-9JT England.
- **1991-1993** : Research programme in Automotive and Tractor
Engineering Department, Faculty of Engineering,
Minia University, Minia, Egypt.
- **1993-1995** : Research programme Mechanical Engineering,
Leeds University, Leeds, LS2-9JT England.
- **1991** : M.Sc.
Automotive and Tractor Engineering Department,
Faculty of Engineering, Minia University, Minia,
Egypt.
- **1986** : B.Sc.
Automotive and Tractor Engineering Department,
Faculty of Engineering, Minia University, Minia,
Egypt.

PROFESSIONAL EXPERIENCE

4/2021 – NOW : Dean of the Egyptian-Korean College of Industrial and
Energy Technology - Beni Suef Technological University .

6/2013 – 8/2024 Professor and Head of Automotive & Tractors Dept. Faculty
of Engineering, Minia University Egypt.

8/2000 – 2011	Associate Professor, Department of Automotive Technology, College of Technology – Makkah, Saudi Arabia.
5/2000 – 8/2000	Associate Professor, Automotive and Tractor Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.
5/1995 – 5/2000	Assistant Professor, Automotive and Tractor Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.
8/1991 – 5/1995	Assistant Lecturer, Automotive and Tractor Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.
1986 – 8/1991	Instructor, Automotive and Tractor Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.

RESEARCH INTERESTS

Vehicle Ride Comfort, Active Suspension System Design and Control, Noise and Vibration Control, Computer Programming, Vehicle Mathematical Modeling, Vehicle Performance and Control, Vehicle Pollution Control.

COURSES TAUGHT

- **Vehicle Dynamics**
- **Vehicle handling**
- **Tractors**
- **Automotive Design**
- **Digital control**
- **Pollution Control**
- **Hydraulic and pneumatic system**
- **Compressed natural gas fuelled**
- **Automobile Maintenance and Repair**
- **Testing of Vehicle System Performance**
- **Engines**
- **Tyres models**
- **Off road**
- **Finite element**
- **Road surface**
- **Suspension and Steering Systems**
- **AMBULANCE STRETCHER**
- **Computer Programming and Application (Fortran and C Languages etc.)**
- **Mechanical Vibration**
- **Noise**

REFERENCES

Professor D.A. Crola

**Department of Mechanical Engineering,
Leeds University, Leeds LS2 9JT, UK.**

Professor F.M. El-Sayed

**Automotive and Tractor Engineering
Department, Faculty of Engineering, Minia**

University, Minia, Egypt.

Professor S.A. Abou-El-Seoud

Automotive and Tractor Engineering Department, Faculty of Engineering, El-Matria, Helwan University, Cairo, Egypt.

Professor K.A. Abd-El-Hakim

Automotive and Tractor Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.

Professor S.M. Mostafa

Automotive and Tractor Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.

Dean, College of Technology – Makkah,

College of Technology – Makkah,

P.O. Box 840, Makkah, Saudi Arabia.

LIST OF PUBLICATION

1. "The influence of front axle vibration on vehicle ride comfort" The Bulletin of the Faculty of Eng. And Tech., Minia University, Minia, Egypt 1991.
2. "Theoretical prediction of the performance of switchable damper suspension systems" Proceeding of 6 th AMME Confer., 3-5 May, 1994.
3. "Semi-Active suspension system with preview control based on a quarter car model" The Bulletin of the Faculty of Eng. And Tech., Minia University, Minia, Egypt, 1994.
4. "The experimental investigation of a three-state switchable damper characteristics" The Bulletin of the Faculty of Eng. And Tech., Minia University, Minia, Egypt, 1995.
5. "An experimental and theoretical study of a switchable damper" SAE No. 960937, USA, 1996.
6. "Adaptive control strategies for a switchable damper suspension system" SAE No. 960939, USA, 1996.
7. "Active engine mounting and its influence on vehicle ride comfort" The Bulletin of the Faculty of Eng. And Tech., Minia University, Minia, Egypt, Vol. 15, No. 2 Dec., 1995.
8. "Interior car noise characteristics" The Bulletin of the Faculty of Eng. And Tech., Minia University, Minia, Egypt, Vol. 15, No. 2 Dec., 1995.
9. "Twin-Accumulator suspension system" SAE No. 970384, 1997.
10. "Theoretical prediction analysis for a tractor cab interior air-born noise" Scientific and Mechanical Eng., Ain-Shams University, ISSN 1110-1385, part II : Electrical and Mechanical Engineering Physics and Mathematics, Vol. 32, No. 30, 1997.
11. "Engine mount for improving vehicle ride performance" ISTVS Conference Italy, Oct., 1997.
12. "Noise control for agricultural tractor cab structure" Al-Azhar Eng. Fifth International Conference (AEIC'97), Dec. 19-22, 1997.
13. "A theoretical study for the hydro-pneumatic semi-active suspension system with preview" Heavy Vehicle Systems, Int. J. of Vehicle Design, Vol. 5 No. 2 pp 167-181, 1998.
14. "The performance of gasoline and compressed natural gas fuelled passenger car" Engineering and Environment Conference, Faculty of Engineering Ain Shams University, 9-10 May, 1998.
15. "Noise prediction within agricultural tractor cab" Proceeding of the 8 th Int. AMME Conference, 12-14 May, 1998.

16. "The influence of suspension component on hymen being vibration response"
Proceeding of the 8 th Int. AMME Conference, 12-14 May, 1998.
17. "Utilizing natural gas fuel to improve engine noise, vibration and emission"
18. "Continuously variable damper suspension system" under published in
Vehicle System Dynamic
19. "Characteristics of agriculture tractor interior noise" Heavy Vehicle Systems
Design.
20. "Agricultural tractor cab suspension to improve ride comfort" 32 nd ISATA,
Vienna, Austria, 14-18 th June, 1999.
21. "Application of active suspension system on ambulance stretcher" The First
Minia International Conference for Advanced Trends in Eng. MICATE'99,
14-16 March 1999.
22. "Vehicle performance and exhaust emission on road" The Tenth
International Pacific Conference on Automotive Eng. IPC-10, May 23-28,
1999.
23. "Modification of tractor ride vibration model" Third International
Conference on Eng. Reasarch ICER,99, Port-Said, 9-11 November, 1999.
24. Ali M. Abd-El-Tawwab "AMBULANCE STRETCHER with active control
isolator SYSTEM" Journal of Low Frequency Noise, Vibration and Active
Control Vol. 20 Number 4, 2001.
25. Ali M. Abd-El-Tawwab " Semi-active twin-accumulator suspension system"
SAE 2002-01-0985 Detroit, Michigan March 4-7, 2002.
26. Ali M. Abd-El-Tawwab "SEMI-ACTIVE TWIN ACCUMULATOR
SUSPENSION SYSTEM WITH WHEEL BASE PREVIEW FOR A HALF
VEHICLE MODEL "
27. Ali M. Abd-El-Tawwab "PASSIVE SUSPENSION SYSTEM
OPTIMIZATION BASED ON QUARTER CAR MODEL"
28. Ali M. Abd-El-Tawwab "Effect of rolling resistance on ride comfort and fuel
consummation with different tires"
29. Ali M. Abd-El-Tawwab "New concept of a hydraulic variable damping
suspension control to improve vehicle ride comfort" The Bulletin of the
Faculty of Eng., Minia University, Minia Egypt, Vol. No. 23, april, 2004.
30. Ali M. Abd-El-Tawwab, M.M.M. Salam & K.A. Abd-El-Gawwad "An
experimental and theoretical study for advanced hydro-pneumatic passive
suspension system" The Minia International Conference in Engineering 2005.
31. Ali M. Abd-El-Tawwab and Hilal A. Abdel-Wali "Power Consumption in
Hydraulic Active Suspension System" Kuwait International Conference in
Engineering 2005.
32. Ali M. Abd-El-Tawwab "Twin accumulator semi active suspension system
with preview control" under published
33. Ali M. Abd-El-Tawwab "PASSIVE SUSPENSION SYSTEM
OPTIMIZATION BASED ON QUARTER CAR MODEL" under published
34. Ali M. Abd-El-Tawwab "SEMI-ACTIVE TWIN ACCUMULATOR
SUSPENSION SYSTEM WITH WHEEL BASE PREVIEW FOR A HALF
VEHICLE MODEL" under published
35. Ali M. Abd-El-Tawwab "AMBULANCE STRETCHER with active control
isolator SYSTEM " under published
36. Mohamed A. Hassan, Ali M. Abd-El-Tawwab, k. A. Abd El-gwwad, M. M.
M. Salem: PI Controller for Active Twin-Accumulator Suspension with

Optimized Parameters Based on a Quarter Model

CoRR abs/1706.02147 (2017)

- 37. Mohammed R., Sabry Allam, k. A. Abd El-gwwad, Ali M. Abd-El-Tawwab, Nouby M. Modelling and analysis of single expansion chamber using Response Surface Methodology International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 www.ijera.com Vol. 2, Issue 1, Jan-Feb 2012, pp.651-658 651**
- 38. An experimental study of automotive disc brake vibrations Amr MM Rabia, Nouby M Ghazaly, MMM Salem, Ali M Abd-El-Tawwab 2013 Journal The International Journal of Engineering and Science (IJES) Volume 2 Issue 01 Pages 194-200**
- 39. Characteristics of agriculture tractor interior noise Ali M Abd-El-Tawwab, SA Abouel-Seoud, FM El-Sayed, TA Abd-El-Hakim 2000/6 Journal of low frequency noise, vibration and active control Volume 19 Issue 2 Pages 73-81**
- 40. Optmization of Operation Parameteres on a Novel Wedge Disc Brake by Taguchi Method Mostafa M Makrahy, Nouby M Ghazaly, KA Abd El-Gwwad, KR Mahmoud, Ali M Abd-El-Tawwab 2013 Journal American Journal of Vehicle Design Volume 1 Issue 2 Pages 30-35**
- 41. Optimization of a new wedge disc brake using Taguchi Approach Mostafa M Makrahy, Nouby M Ghazaly, Ali M Abd-El-Tawwab 2013/11 Journal Automotive and Tractor Eng. Dept., College of Engineering, Minia University, El-Minia–61111, Egypt, IJMER Volume 3 Issue 6**
- 42. Experimental studies of automotive disc brake noise and vibration: a review Amr M Rabia, Nouby M Ghazaly, MM Salem, Ali M Abd-El-Tawwab 2013/1 Journal Int J Modern Eng Res Volume 3 Issue 1 Pages 199-203**
- 43. An Analytical Study of the Performance Indices of Air Spring Suspensions Over the Passive Suspension MM Moheyldein, Ali M Abd-El-Tawwab, KA Abd El-gwwad, MMM Salem 2018/6/7 Journal Beni-Suef University Journal of Basic and Applied Sciences Publisher Elsevier**
- 44. An analytical study of the performance indices of articulated truck semi-trailer during three different cases to improve the driver comfort Mohamed AA Abdelkareem, Mostafa M Makrahy, Ali M Abd-El-Tawwab, ASA EL-Razaz, Mohamed Kamal Ahmed Ali, MM Moheyldein 2018/3 Journal Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics Volume 232 Issue 1 Pages 84-102**
- 45. Experimental studies of automotive disc brake noise and vibration: a review Amr M Rabia, Nouby M Ghazaly, MM Salem, Ali M Abd-El-Tawwab 2013/1 Journal Int J Modern Eng Res Volume 3 Issue 1 Pages 199-20**
- 46. Finite Element Thermal Analysis of A Ceramic Coated Si Engine Piston Considering Coating Thickness American Journal of Engineering Research (AJER) 2017 American Journal of Engineering Research (AJER) e-ISSN: 2320-0847 p-ISSN : 2320-0936 Volume-6, Issue-2, pp-109-113**
- 47. An analytical study of the performance indices of air spring suspensions over the passive suspension M.M.MoheyldeinAli M.Abd-El-Tawwab K.A.Abd El-gwwad M.M.M.Sale Beni-Suef University Journal of Basic and Applied Sciences 2018**
- 48. Ambulance stretcher with active control isolator system Ali M. Abd-El-Tawwab 2001/12 Journal of low frequency noise, vibration and active control Volume 20 Issue 4 Pages 217-227**

**بيان بالتدرج العلمي والوظيفي
للسيد الدكتور/ علي محمود عبد التواب**

الميلاد : ١٩٦٢/١١/٢٤

التدرج العلمي :

حصل سيادته على الدرجات العلمية التالية :

المؤهلات :

- ١ - بكالوريوس الهندسة الميكانيكية دور مايو ١٩٨٦ - جامعة المنيا .
- ٢ - ماجستير في الهندسة الميكانيكية من كلية الهندسة - جامعة المنيا بتاريخ ١٩٩١/٦/٢٩
- ٣ - دكتوراه الفلسفة في الهندسة الميكانيكية من كلية الهندسة - جامعة المنيا بتاريخ ١٩٩٥/٧/٢٥ .

التدرج الوظيفي :

شغل سيادته الوظائف التالية بقسم هندسة السيارات والجرارات بالكلية :

- ١ - معيد اعتبارا من ١٩٨٦/١١/٢ .
 - ٢ - مدرس مساعد اعتبارا من ١٩٩١/٧/١
 - ٣ - مدرس اعتبارا من ١٩٩٥/٨/٢٩ .
 - ٤ - أستاذ مساعد اعتبارا من ٢٠٠٠/١٠/٣١ .
 - ٥ - أستاذ إعتبارا من ٢٠١٣/٦/٢٤ .
- ندب سيادته للقيام بأعمال رئيس القسم اعتبارا من ٢٠١١/٨/٧ وذلك لحين تعيين رئيسا لمجلس القسم .
- تعيين سيادته رئيسا لمجلس القسم اعتبارا من ٢٠١٣/٦/٢٤ وحتى تاريخه .
- وما زال سيادته يشغل وظيفة رئيس مجلس قسم هندسة السيارات والجرارات بالكلية حتى تاريخه .

تحريرا في ٢٠١٩/٢/٢٦

هذا للعلم والإحاطة ،،،،،

" عميد الكلية "

" شئون هيئة التدريس "



(أ.د/ رمضان بسيوني محمد)

٢٠١٩/٢/٢٦

قائمة بالرسائل العلمية التي إشراف عليها السيد الاستاذ الدكتور/ على محمود عبد التواب على استاذ ورئيس قسم هندسة السيارات والجرارات
أولا : رسائل الماجستير: التي تم منحها وعددها سبعة

م	الاسم	تاريخ القيد	تاريخ المنح	عنوان البحث
1	م/ توفيق عبد الفتاح عبد الحكيم	1991/10/20	1997/3/18	السلوك الاهتزازي الصوتي لكبينة الجرار الزراعي
2	م/ محمد علي حسن مراد	1995/9/19	1997/12/29	دراسة مقارنة لأداء سيارات الركوب التي تعمل بالغاز الطبيعي والبنزين
3	م/ ناجي محمود حمدي	1994/9/20	1999/3/23	اهتزاز السيارات والتحكم فيها
4	م/ عمر محمد محمد ربيع	2009/10/13	2013/3/26	نمذجة وتحليل اهتزازات الفرامل القرصية
5	م/ محمد عبد العزيز حسن	2011/10/11	2016/5/31	النمذجة والتحكم في نظام التعليق الهيدروليكي
6	م/ مينا بدرت رزق	2012/10/9	2016/6/28	دراسة أداء محرك اشعال بالشرارة يعمل بالغاز الطبيعي للضعف كوقود بديل
7	م/ محمد جمال فؤاد	2011/10/11	2017/6/20	تحليل الاجهادات المؤثرة على المكبس لمحركات الاحتراق الداخلي باستخدام طريقة العناصر المحددة

ثانيا : رسائل الدكتوراه : التي تم منحها وعددها خمسة

م	الاسم	تاريخ القيد	تاريخ المنح	عنوان البحث
1	م/ احمد عمر معاذ شجاع	2009/12/16	2013/4/30	نظام التعليق الهيدروليكي والتحكم فيه
2	م/ مصطفى محمد مفرحي	2010/6/15	2014/2/25	الاداء الامثل ودراسة عملية لفرامل قرصية وتدية جديدة
3	م/ محمد ربيع عبد الوهاب	2009/12/16	2015/4/28	دراسة ضوضاء ونظام عادم المحركات
4	م/ اسامة يوسف عبد الفتاح	2015/3/10	2018/5/29	دراسة أداء محرك ديزل يعمل بالوقود الحيوي من زيت الطعام المستعمل
5	م/ محمد محي الدين	2011/12/14	2019/2/26	الاداء الامثل لنظام تعليق السيارة لتحسين راحة الركوب

الدراسات العليا

وكيل الكلية لشئون الدراسات والبحوث



يعتمد ،

عميد الكلية

الأستاذ الدكتور/ رمضان بسيوني محمد خاطر

٥٢٧٣٩

تابع قائمة بالرسائل العلمية التي إشراف عليها السيد الأستاذ الدكتور/ على محمود عبد التواب على استاذ ورئيس قسم هندسة السيارات والجرارات
ثالثا : رسائل الماجستير: التي لم يتم منحها وعددها ستة

م	الاسم	تاريخ القيد	عنوان البحث
1	م/محمود حسن ابو المجد	2011/10/11	التصميم الامثل لنظام عادم السيارات
2	م/محمود زكريا محمد حنفي	2011/10/11	تصميم ومحاكاة ذراع التوصيل في محركات الاحتراق الداخلي
3	م/احمد عباس محمد عباس	2011/10/11	محركات السيارات
4	م/محمود عبد الرحمن على	2013/10/8	اداء نظام التعليق لنموذج سيارة نقل ثقيل
5	م/محمود عز الدين ابراهيم	2017/10/10	التحكم في نظام التعليق
6	م/احمد محمد احمد محمد	2017/10/10	تطبيق التحكم الآلي على منظومة فرامل السيارة

رابعا : رسائل الدكتوراه : التي لم يتم منحها وعددها خمسة

م	الاسم	تاريخ القيد	عنوان البحث
1	م/حمادة محمد عبد الرحمن	2014/3/11	دراسة فرامل السيارة القرصية الودية باستخدام أنظمة تحكم مختلفة
2	م/محمود مصطفى رفاعي	2014/3/11	دراسة الاهتزازات والضوضاء الصادرة من الفرامل الاسطوانية بسيارات الركوب
3	م/سامح نصري حسن جريس	2018/5/14	استراتيجيات التحكم بنظام قواعد المحرك النصف فعال للشاحنة الثقيلة
4	م/وليد حلمي عاشور	2018/5/14	تأثير اضافات الوقود على محرك ديزل الذي يعمل بالديزل والوقود
5	م/احمد محمد مصطفى حجاب	2018/10/16	خواص مواد احتكاكية مركبة مستخدمة باستخدام مواد نانو وتطبيقاتها في فرامل المركبات

الدراسات العليا

وكيل الكلية لشئون الدراسات العليا والبحوث
١٩١٤١٤٧

اد/يحيى حسن مجدي

يعتمد ،

عميد الكلية

الأستاذ الدكتور/ رمضان بسيوني محمد خاطر



Prof. Ali Abdeltawwab

Automotive and Tractors Engineering Department, Faculty of Engineering, Minia University, El-Minia 61519, Egypt.

@ **Google Scholar** at 25-9-2024

https://scholar.google.com/citations?user=0_bPNQkAAAAJ&hl=en

@ **Scopus** at 25-9-2024

<https://www.scopus.com/authid/detail.uri?authorId=6602863521&origin=resultslist#tab=co-authors>

Google Scholar	
Citations	396
h-index	10
i10-index	12
Scopus	
Citations	130
h-index	7

صورة من قائمة موقع Scopus

2/20/2019 Ali Abdeltawwab من العلمي الباحث اقتباسات - Google

https://scholar.google.com.eg/citations?user=0_bPNQkAAAAJ&hl=ar 1/4

2014 قبل الكل

141 80 اقتباسات

5 8 h-index

3 6 i10-index

Ali Abdeltawwab

Minia University

Vehicle dynamic

ride comfort

ICE

لغة القالب مرات عدد عنوان

[Understanding mode-coupling mechanism of brake squeal using finite element analysis](#)

NM Ghazaly, S Mohammed, AM Abd-El-Tawwab

Int. J. Eng. Res. Appl 2 (1), 241-250

2012 23

[An analytical study of the performance indices of articulated truck semitrailer during three different cases to improve the driver comfort](#)

MAA Abdelkareem, MM Makrahy, AM Abd-El-Tawwab, ASA EL-Razaz, ...

Proceedings of the Institution of Mechanical Engineers, Part K: Journal of ...

2018 13

[Experimental studies of automotive disc brake noise and vibration: a review](#)

AM Rabia, NM Ghazaly, MM Salem, AM Abd-El-Tawwab

Int. J. Modern Eng. Res 3 (1), 199-203

2013 11

Optimization of Operation Parameters on a Novel Wedge Disc Brake by Taguchi Method

MM Makrahy, NM Ghazaly, KAA El-Gwwad, KR Mahmoud, ...

American Journal of Vehicle Design 1 (2), 30-35

2013 10

Characteristics of agriculture tractor interior noise

AM Abd-El-Tawwab, SA Abouel-Seoud, FM El-Sayed, TA Abd-El-Hakim

Journal of low frequency noise, vibration and active control 19 (2), 73-81

2000 10

Twin-accumulator suspension system

AMA El-Tawwab

SAE Technical Paper

1997 10

An experimental study of automotive disc brake vibrations

AMM Rabia, NM Ghazaly, MMM Salem, AM Abd-El-Tawwab

The International Journal of Engineering and Science (IJES) 2 (01), 194-200

2013 9

Ambulance stretcher with active control isolator system

AM Abd-El-Tawwab

Journal of low frequency noise, vibration and active control 20 (4), 217-227

2001 8

Twin accumulator semi active suspension system with preview control

AM Abd-El-Tawwab

Journal of low frequency noise, vibration and active control 26 (4), 283-294

2007 7

An experimental and theoretical study of a switchable damper

AMA El-Tawwab, DA Crolla

SAE Technical Paper

1996 6

Theoretical and experimental fuzzy control on vehicle pneumatic semiactive suspension system

AM Abd-El-Tawwab

Journal of American Science 9 (1)

2013 5

2/20/2019 Ali Abdeltawwab - من Google

https://scholar.google.com.eg/citations?user=0_bPNQkAAAAJ&hl=ar 2/4

لغة التبليغ براك عند غزان

Semi-active twin-accumulator suspension system

AM Abd-El-Tawwab

SAE Technical Paper

2002 5

Optimization of a new wedge disc brake using Taguchi Approach

MM Makrahy, NM Ghazaly, KAA El-Cwwad, KR Mahmoud, ...

International Journal of Modern Engineering Research 3 (6), 3461-3465

2013 4

Theoretical prediction of the performance of switchable damper suspension systems"

AM Abd-El-Tawwab

Proceeding of 6 th AMME Confer., 3-5 May, 1994

1994 4

Theoretical prediction of the performance of switchable damper suspension systems"

AM Abd-El-Tawwab

Proceeding of 6 th AMME Confer., 3-5 May, 1994

1994 4

Theoretical prediction of the performance of switchable damper suspension systems"

AM Abd-El-Tawwab

Proceeding of 6 th AMME Confer., 3-5 May, 1994

1994 4

Advanced hydro-pneumatic semi-active suspension system

AMA El-Tawwab

Journal of low frequency noise, vibration and active control 20 (2), 93-103
2001 3

A theoretical study of the hydro–pneumatic semi–active suspension system with preview

AMA El-Tawwab, SA Abou–El–Seoud

International Journal of Heavy Vehicle Systems 5 (2), 167-180
1998 3

Influence of biodiesel from Egyptian used cooking oil on performance and emissions of small diesel engine

OY Abdelfattah, S Allam, I Youssef, M Mourad, A El-Tawwab

Journal of KONES 24

2017 2

Experimental evaluation of an empirical model for wedge disc brake using Box-Behnken design

NM Ghazaly, MM Makrahy, K Gwwad, KR Mahmoud, A Tawwab

International Journal of Vehicle Structures & Systems 6 (3), 58

2014 2

Adaptive control strategies for a switchable damper suspension system

AMA Soliman, AMA El-Tawwab, DA Crolla

SAE Technical Paper

1996 2

An analytical study of the performance indices of air spring suspensions over the passive suspension

MM Moheyldein, AM Abd-El-Tawwab, KAA El-gwwad, MMM Salem

Beni-Suef University journal of basic and applied sciences 7 (4), 525-534

2018 1

Finite Element Thermal Analysis of a Ceramic Coated Si EnginePiston Considering Coating Thickness

MG Fouad, NM Ghazaly, AM Abd-El-Tawwab

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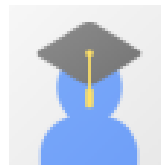
AM Abd-El-Tawwab

**FINITE ELEMENT ANALYSIS OF DISC BRAKE VIBRATION
CONSIDERING SURFACE ROUGHNESS**

AMM Rabia, NM Ghazaly, MMM Salem, AM Abd-El-Tawwab

Amr MM Rabia, 2 Nouby M. Ghazaly, 3 MMM Salem

AM Abd-El-Tawwab



Ali Abdeltawwab

Minia University
Vehicle dynamic
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