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CRITERIA III

3.3.2 Copy of The Cover Pages,Content Page and First Page of the Publication indicating ISBN Number and Year of the Publication for books /chapters

1)2022-23

Conferences > 2023 Third International Conf...

Speed Control of BLDC Motor using Integral Sliding Mode Controller

Publisher: IEEE Cite This PDF

Omkar Dange ; Nilam Patil ; Swapnil Gadgune ; Rajin M Linus All Authors

1 Cites in Paper

94 Full Text Views

Abstract

Document Sections

I. Introduction

II. BLDC Motor Drive

III. Control Scheme

IV. Simulation Results

V. Conclusion

Authors

Figures

References

Abstract:
The BLDC motor is popular choice for many applications. These systems require accurate tracking of speed command. In this paper, Integral Sliding Mode controller (ISMC) based speed controller is proposed. The performance of BLDC drive is analyzed with constant load and constant speed operation. Hysteresis current control technique is used to generate pulses for inverter switches. The drive is simulated using MATLAB/Simulink software. The results are presented for validation.

Published in: 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)

Date of Conference: 05-06 January 2023

DOI: 10.1109/ICAECT57570.2023.10117574

Date Added to IEEE *Xplore*: 15 May 2023

Publisher: IEEE

ISBN Information:

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Print on Demand(PoD) ISBN:978-1-6654-9401-4

Conference Location: Bhilai, India

https://ieeexplore.ieee.org/document/10117574

DC Side Voltage Regulation of Three Phase PWM Rectifier Control Using Sliding Mode Controller

Publisher: IEEE Cite This PDF

Ashwini Patil ; Swapnil Gadgune All Authors

54
Full
Text Views

Abstract:
In applications where power modulation is required, rectifier is used as front-end converter. It directly integrates system to the grid. The Rectifier should provide constant voltage to DC load without introducing harmonics into the power system. The power factor should be maintained unity. For this closed loop control technique is required. In this paper, performance of Sliding Mode Controller based DC link voltage regulation technique is analyzed. The MATLAB /Simulink software is used to prepare the simulation. The results of simulation are also presented.

Published in: 2022 International Conference on Futuristic Technologies (INCOFT)

Date of Conference: 25-27 November 2022
DOI: 10.1109/INCOFT55651.2022.10094557
Date Added to IEEE *Xplore*: 13 April 2023
Publisher: IEEE
ISBN Information:
Electronic ISBN:978-1-6654-5046-1
Print on Demand(PoD) ISBN:978-1-6654-5047-8
Conference Location: Belgaum, India

https://ieeexplore.ieee.org/document/10094557

Series APF control using IRP Theory with Self-Regulation of DC side Voltage

Publisher: IEEE Cite This PDF

Shreyas Kusale ; Ch. Mallareddy ; Swapnil Gadgune ; A. M. Mulla All Authors

30
Full
Text Views

Abstract:
In Recent years use of converter-based energy efficient devices is tremendously increased. This injects current and voltage harmonics in to the power system. Series APF is used to mitigate voltage harmonics. In this paper, a new control technique presented. It is able to mitigate harmonics and charge DC side capacitor by itself. It does it without using any battery or any other source. Instantaneous reactive power theory is used to control the Series APF. MATLAB/Simulink is used to prepare simulation. Simulation results are presented, which validates the proposed scheme.

Published in: 2022 International Conference on Futuristic Technologies (INCOFT)

Date of Conference: 25-27 November 2022
DOI: 10.1109/INCOFT55651.2022.10094481
Date Added to IEEE *Xplore*: 13 April 2023
Publisher: IEEE
ISBN Information:
Electronic ISBN:978-1-6654-5046-1
Print on Demand(PoD) ISBN:978-1-6654-5047-8
Conference Location: Belgaum, India

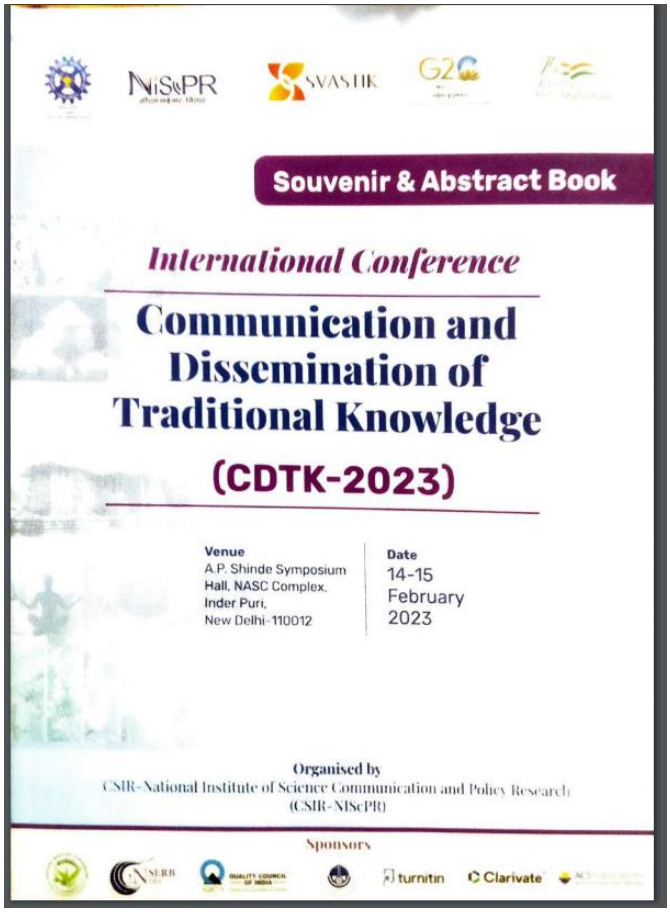
https://ieeexplore.ieee.org/document/10094481

(PP81) An Experimental Investigation of Corrosion Removal of Iron/Steel as Specified in the Texts of the Indian Knowledge System

Ashutosh Dandekar, D V Ghewade & S S Kulkarni
PVPIT Budhgaon (Maharashtra)
E-mail: ashutoshdandekar@gmail.com

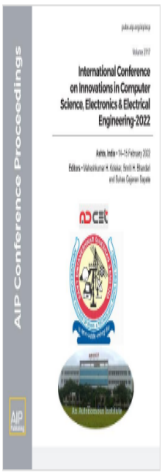
The rich heritage of the Indian Knowledge system contains various branches like Agriculture, Management, Economics, and Ayurveda etc. Today when we speak about the Ayurveda, our concern is limited to the medication only. It is the fact that the present day Ayurveda practice deals with only human's illness. Actually the Ayurveda is divided in to the two branches. First is the '*Rasvada*', that deals with various human diseases and its medical treatments, and the other is '*Dhatuvada*', that describes metallurgical processes. Today Ayurveda is in practice but the '*Dhatuvada*' remained unexplored fully, and partially it is diffused in modern Metallurgy. Already we know some landmarks of the Indian Metallurgy like Delhi Iron Pillar. Several processes of metals are described in the books of traditional metallurgy. Today's need is to validate the processes, and bring it in current practices as far as possible. The article deals with the rust removal process of the iron/Steel as described in Indian literature and its validation through experiments.

\



Volume 2717, Issue 1

22 June 2023



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14–15 February 2022

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〈 Previous Article Next Article 〉

RESEARCH ARTICLE | JUNE 22 2023

PV integrated interleaved flyback inverter for residential application

Shubhangi Patil; Swapnil Y. Gadgune

Check for updates

+ Author & Article Information

AIP Conf. Proc. 2717, 070002 (2023)

https://doi.org/10.1063/5.0143447

Share v Tools v

Study of an interleaved flyback inverter using a photovoltaic (PV) AC module system is presented in this paper. By addition of auxiliary branch in conventional flyback inverter with soft switching primary switches are switched on and off. For this purpose, only one auxiliary switch is needed to operate both flyback converter. This auxiliary switch works at soft switching condition which increases the efficiency as well as capacity of frequency and reduces the size of inverter. In addition, due to use of resonant auxiliary cell for low time period there is reduction in conduction losses.

Topics

Inverters, Photovoltaics

REFERENCES

1. Z. Zhang, M. Chen, W. Chen, C. Jiang, and Z. Qian, "Analysis and implementation of phase synchronization control strategies for BCM interleaved flyback micro inverters," *IEEE Trans. Powe*

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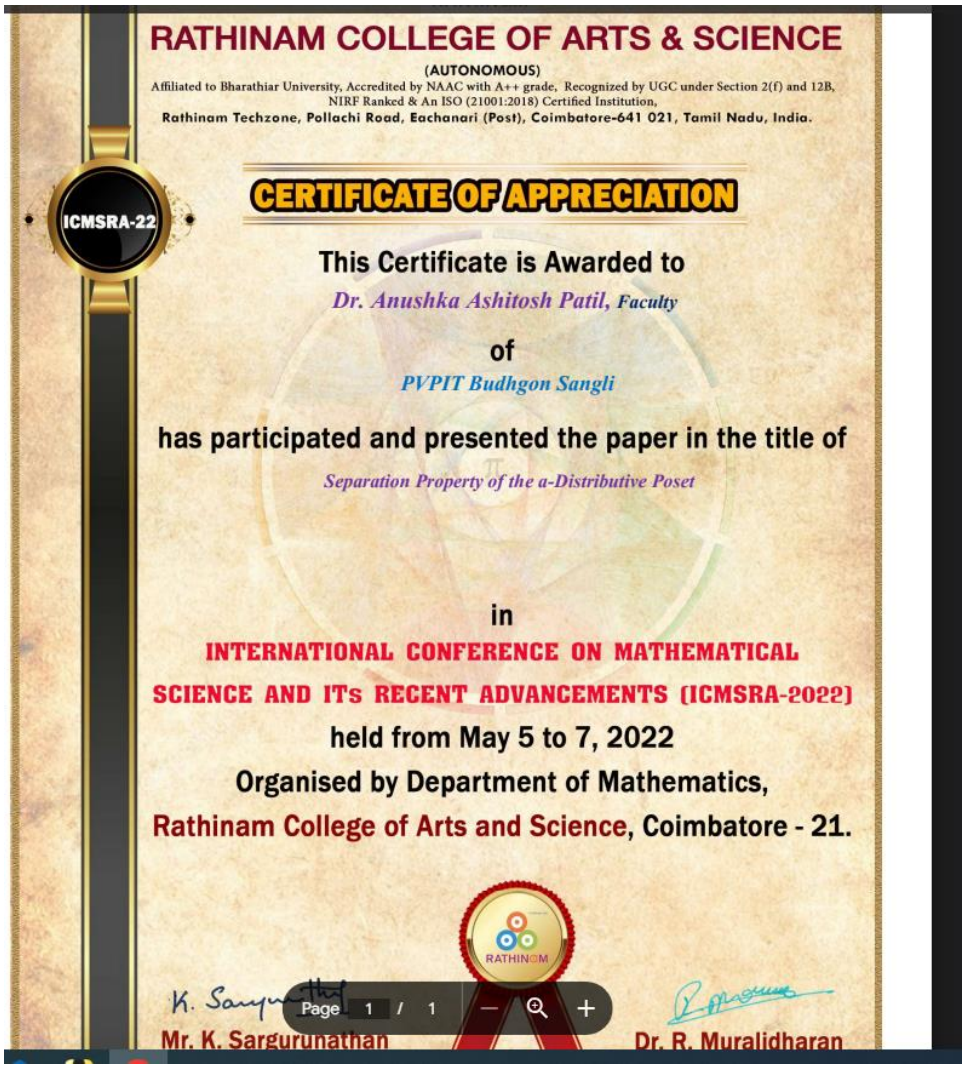

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held from May 5 to 7, 2022

Organised by Department of Mathematics,

Rathinam College of Arts and Science, Coimbatore - 21.

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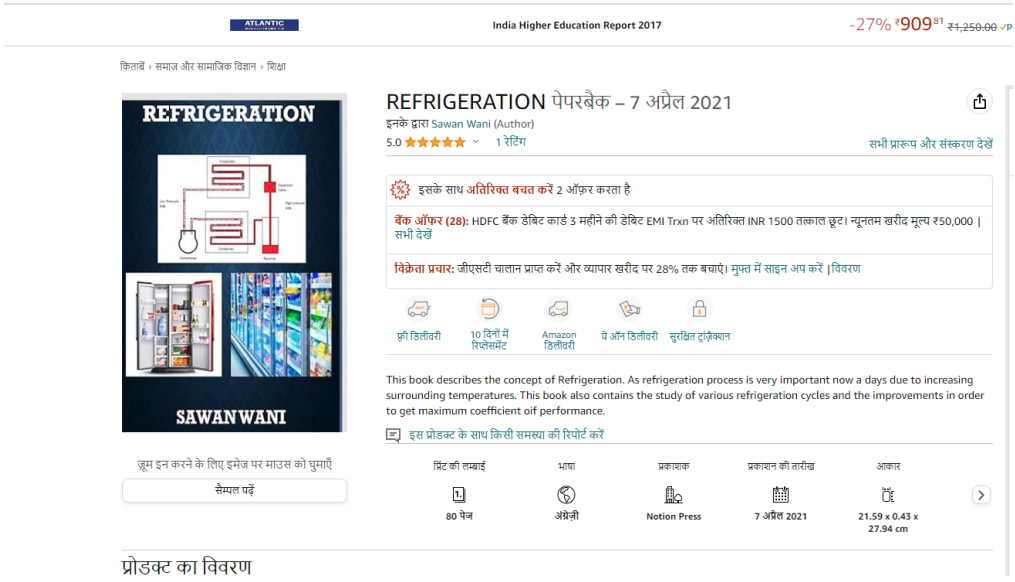
Page 1 / 1

Mr. K. Sargurunathan

Dr. R. Muralidharan



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REFRIGERATION पेपरबैक – 7 अप्रैल 2021

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सभी प्रारूप और संस्करण देखें

इसके साथ अतिरिक्त बचत करें 2 ऑफ़र करता है

बैंक ऑफर (28): HDFC बैंक डेबिट कार्ड 3 महीने की डेबिट EMI Trxn पर अतिरिक्त INR 1500 तत्काल छूट। न्यूनतम खरीद मूल्य ₹50,000 | सभी देखें

विक्रेता प्रचार: जीएसटी चालान प्राप्त करें और व्यापार खरीद पर 28% तक बचाएं। मुफ्त में साइन अप करें | विवरण

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This book describes the concept of Refrigeration. As refrigeration process is very important now a days due to increasing surrounding temperatures. This book also contains the study of various refrigeration cycles and the improvements in order to get maximum coefficient oif performance.

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80 पेज	अंग्रेज़ी	Notion Press	7 अप्रैल 2021	21.59 x 0.43 x 27.94 cm

ज़ूम इन करने के लिए इमेज पर माउस को घुमाएँ

सैम्पल पढ़ें

प्रोडक्ट का विवरण

https://www.amazon.in/REFRIGERATION-Sawan-Wani/dp/163873996X

22

Importance of Innovation Management in the Educational Institutes in India and Necessity of Partnership with Business Sector For IT

Ms. Dandekar Indraja Amarendra[1], Mr. Joshi Akhilesh Kedar[1], Mr. Dandekar Ashutosh Ramchandra[2], Mr. Patil Vishal Panduranga[2], Dr. S.S. Kulkarni[3]

[1]Student, B.Tech (Mechanical Engineering), Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon: 416304 Sangli (Maharashtra-India), [2]Assistant Professor-(Mechanical Engineering), Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon: 416304 Sangli (Maharashtra-India), [3]Professor, Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon, India.

E-mail Id: *dandekarindraja5@gmail.com, akjmaster@gmail.com, ashutoshdandekar@gmail.com, vishalpp18@gmail.com, kulsat@gmail.com*

Abstract

In the current competitive environment invention management has become an essential practice for inventors and innovators. Decades ago, the educational institutes in India, apart from top institutes like IIT's and IIM's, were not quite aware of the concepts like creativity, invention, and innovation. However, fortunately, the situation seems to have changed drastically in the past two years. The ministry of education has taken the initiative to establish the Innovation Cell in higher educational institutes to boost innovation, resulting in a sudden upsurge in innovation-related activities during academics. Even though all these changes are positive, they are not enough to establish India as an innovation hub on the global platform. Hence to provide the framework for nurturing innovation and its continuation throughout the entire course from school to higher education is the need of the hour. Also, different observations suggest that most of the generated IPR cannot be commercialized; due to various reasons. For overall industrial and technological growth, it is essential to turn these innovations into commercial businesses. Thus, a smart innovation management system is required to be set up at the institutional level and, improved participation of industries is also necessary. The objective of this

e-book | ISBN: 978-93-91355-27-2

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ABSTRACTS

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International Marketing Conference (iMarC-2021)
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33

Review of Sustainable Marketing Strategies for MSME and Start-ups in the Manufacturing Sector and an Innovation into IT

Dandekar Indraja Amarendra[1], Joshi Akhilesh Kedar[2], Dandekar Ashutosh Ramchandra[3], Patil Vishal Pandurang [4], Kulkarni S.S.[5]

[1,2,3,4,5]*Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon: Sangli (Maharashtra-India)*
Email: [1]dandekarindraja5@gmail.com, [2]akjmaster@gmail.com, [3]ashutoshdandekar@gmail.com, [4]vishalpp18@gmail.com, [5]kulsat@gmail.com

ABSTRACT

In 2015 during the independence speech address, the prime minister of India had announced the Startup India Initiative. Post this announcement, the Ministry of Education established an Institute Innovation Council in the year 2018. The purpose of this startup policy is to boost entrepreneurship activity. India has the world's third startup ecosystem. The total number of startups recognized by DPPIT is above forty thousand. There has been an exponential growth of startups in the past three years. As the government promotes the theme 'going green', green startups and related technologies will have a bright future. However, if we analyze the data, there are few sustainable startups. It is a fact that there is a need to create awareness about sustainable products among the communities, but the main issue is the marketing of sustainable products. The giants have the resources for the formulation and implementation of sustainable marketing strategies. But the MSME sector lacks the same. The purpose of this article is to propose sustainable marketing strategies for startups in MSME and the manufacturing sector and also the methodologies to implement them.

Keywords: *Green Marketing, Sustainable Marketing, Green Products, Green Startups*

https://www.iimshillong.ac.in/wp-content/uploads/2022/02/e-Book_Innovations-in-Contemporary-Marketing-Theory-and-Practice-IIM-Shillong.pdf

Nanocatalyzed Transesterification of Thumba Oil for Biodiesel Production Using Hydrodynamic Cavitation

Chapter | First Online: 31 May 2022
pp 249–267 | Cite this chapter

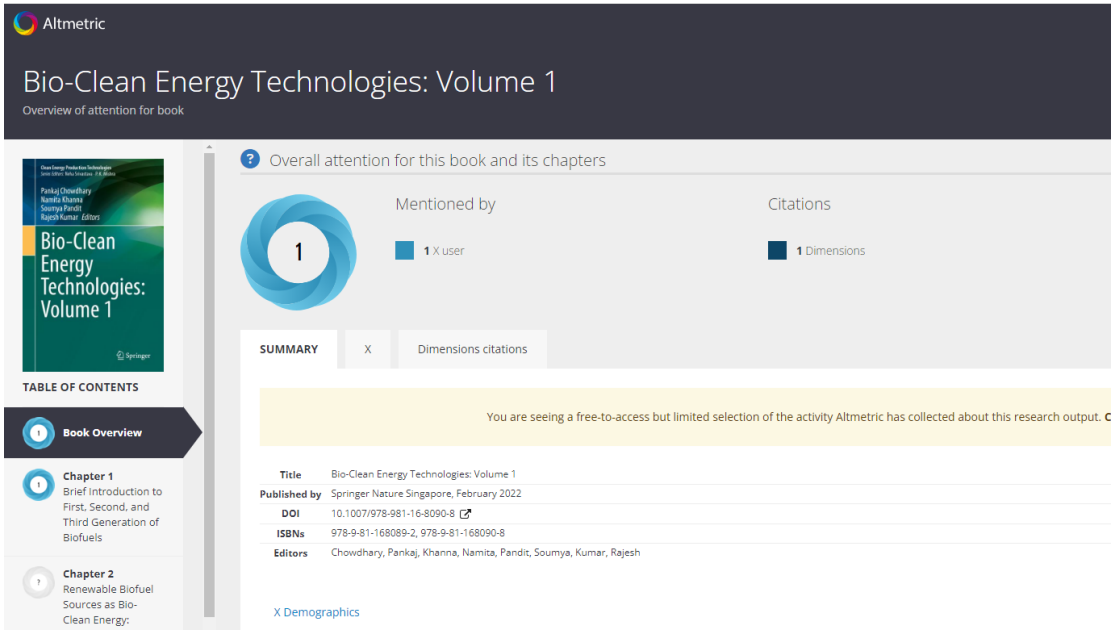
Abhijeet D. Patil, Saroj S. Baral & Prashant B. Dhanke

Part of the book series: Clean Energy Production Technologies ((CEPT))

340 Accesses

Abstract

Available fossil fuels are decreasing day by day. So the use of renewable sources like alkyl esters (biodiesel) is increasing in CI engines. Biofuel or fatty acid alkyl ester (C_{13}–C_{23}) is derived from short-chain alcohols. Various processes are reported to formulate from animal fats and vegetable oils. Alcoholysis is a commonly employed biodiesel preparation method where oil is mixed with suitable CH_3OH or C_2H_5OH and a suitable catalyst. Alcoholysis mainly reduces the viscosity of oils as well as lowers the Sox and NOx emissions from the oil. Various techniques are available to carry out alcoholysis reactions, viz., mechanical stirring, probe type ultrasonic cavitation, pyrolysis, and hydrodynamic



ORAL **CIET06**

Development of A Semi-Automated Soil and Crop Image Analyst Using Smartphones: A Tool to Enhance the Use of Information Systems in Agriculture

Dhawale, N.M.[1]*, Mat Su, A.S.[2], Ghewade, D.V.[3], Shinde S.A.[4], Desai, V.P.[5], Patil, S.A.[6], and Patil, V.S.[4]

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[5]Department of Computer Studies, V.P. Institute of Management Studies and Research, Vijaynagar, 416401, Sangli, Maharashtra, India.
[6]Department of Electrical Engineering, P.V.P. Institute of Technology Budhgaon, 416304, Sangli, Maharashtra, India.

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vaishalipawar494@gmail.com (Patil, V.S.)

This work describes the development of a semi-automated image analyst tool to process and analyze soil and crop images captured using smart phones. The tool consists of various client and server side processes. In the current version, the server side is fully automated and the client side is semi-automated. A user manual is provided to the clients to help them follow the right set

Conferences > 2021 IEEE Pune Section Intern...

A Review On Determination Of Soil Organic Matter and Soil Moisture Content Using Conventional Methods And Image Processing Techniques

Publisher: IEEE | Cite This | PDF

Vaishali S. Patil ; Santosh A. Shinde ; Nandkishor M. Dhawale All Authors

3 Cites in Papers | 194 Full Text Views

Abstract

Document Sections

I. Introduction

II. Literature Review

III. Conclusion

Authors

Figures

References

Citations

Keywords

Metrics

Abstract:
Soil Organic Matter (SOM) and Soil Moisture Content (SMC) are very useful and important soil properties through which it is possible to monitor agricultural treatments of chemical inputs to soil for the plants. One of the physical benefit of SOM is it gives aggregate stability which results in reduce crusting, improves water holding capacity, improves water filtration capacity and pour space and air distribution by increasing SOM content. Soil moisture tension is the density of water holding capacity. The different types soil analysis techniques are available, but traditional methods are laborious time consuming as well as do not guaranteed accuracy of information in short window of time needed during the crop growing seasons. So there is need to seek for easier and proper methods of analyzing soil that are simple, precise, quick and economical in labs or/and in field. Researchers have studied the estimation of various methods for rapid quantification and monitoring of some surface soil properties such as SOM and SMC. The purpose of this work is to explore the possibilities and limitations of traditional and new techniques for soil analysis. Therefore, the review has been carried out for the determination of SOM and SMC using image processing.

Published in: 2021 IEEE Pune Section International Conference (PuneCon)

Date of Conference: 16-19 December 2021

DOI: 10.1109/PuneCon52575.2021.9686478

https://ieeexplore.ieee.org/document/9686478

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Date of Conference: 16-19 December 2021

DOI: 10.1109/PuneCon52575.2021.9686478

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Print on Demand(PoD) ISBN:978-1-6654-4480-4

Conference Location: Pune, India

International Conference on Research and Development in Science, Technology, Engineering, Management, Applied Sciences, Pharmacy, Education, Law and Humanities: The Futuristic Approach
ISSN: 2349-6002

Real-World vs Simulation - A Study Towards the Development of a Phosphate Ion Selective Electrode (P-ISE)

Nandkishor M. Dhawale
Associate Professor & HoD, Department of Instrumentation Engineering, P.V.P. Institute of Technology, Budhgaon, Sangli, MH. India

Abstract **- Phosphorus is a scarce and finite resource on the planet, and its non-gaseous environmental cycle makes access to non-mining means unavailable. At the same time, it is also one of the three most important (N, P, K) phytonutrients. It is added to agricultural soil by applying chemical fertilizer and spraying manure. However, when not completely consumed by crops and plants, it can be mobilized under reduced conditions and enter groundwater and surface water as leachate and / or runoff. To reduce the impact on this issue, research in this area is primarily focused on finding more optimal application rates (manure and chemical fertilizers) and efficient ways to recycle phosphorus. Accurate quantification of phosphate recovery can be achieved by performing a number of real-time, high spatial resolution soil measurements. However, there are currently no commercially available sensors that can measure soil phosphorus in real time on the go. The research described in this white paper is a preliminary attempt to solve this challenge.**

and if not completely consumed by crops and plants, can mobilize in reduced conditions and end up in ground water and on surface waters due to leaching and/or runoff respectively [2]. On the other hand according to some researchers, earth's phosphorus is going to reach its peak production by 2030 and the reserves are expected to be completely depleted in 50–100 years. Peak phosphorus is the point in time at which the maximum global phosphorus production rate is reached. Phosphorus is a scarce finite resource on earth and due to its non-gaseous environmental cycle has resulted in alternative means other than mining being unavailable [3, 4].

To reduce the impact on this problem, the research in this domain primarily focuses on discovering more optimal application rates (manure and chemical fertilizers) and efficient methods of recycling the phosphorus [5]. Accurate quantification of phosphate application rates can be done by taking large number

https://www.academia.edu/72186192/Real_World_vs_Simulation_A_Study_Towards_the_Development_of_a_Phosphate_Ion_Selective_Electrode_P_ISE?uc-sb-sw=98807041

Renewable Energy based Isolated Contactless Bidirectional Energy Management System for Electric Vehicle

Publisher: IEEE | Cite This | PDF

Balasaheb M. Patil ; Swapnil Y. Gadgune All Authors

1 Cites in Paper | 108 Full Text Views

Abstract

Document Sections

I. Introduction

II. System Design

III. SIMULATION AND RESULTS

IV. Hardware implementation and Results

V. Results of Hardware

Show Full Outline

Authors

Abstract:
There are alternative answers to the problem of charging electric vehicles in a world where electric charging stations are essential to accelerate the energy transition As an example, wireless charging is one way to go. There are a number of differences between wireless car charging and smartphone charging. An isolated contactless bidirectional energy management system for an electric vehicle based on renewable energy is given in this research. Inductive charging allows electric vehicles to self-charge without the usage of cables. A higher voltage, more power, and more energy transfer are required to charge an electric vehicle (EV). So, technical developments, safety, cost, and the environment are all significantly more difficult to deal with as a result. This is owing to the fact that EV charging requires high voltage and high power, which makes wireless charging solutions problematic. There's an additional charge that must be built into the car in order for wireless charging to work, which increases the cost of your vehicle. As part of the proposed system, infrastructure costs may be reduced, and power can be transmitted more effectively. There is the prospect of fast charging, as well as reduced maintenance requirements and almost no electromagnetic emissions, among other benefits of this technology.

Published in: 2021 4th International Conference on Recent Trends in Computer Science and Technology (ICRTCST)

Date of Conference: 11-12 February 2022 **DOI:** 10.1109/ICRTCST54752.2022.9782053

Published in: 2021 4th International Conference on Recent Trends in Computer Science and Technology (ICRTCST)

Date of Conference: 11-12 February 2022

DOI: 10.1109/ICRTCST54752.2022.9782053

Date Added to IEEE *Xplore*: 27 May 2022

Publisher: IEEE

ISBN Information:

Electronic ISBN:978-1-6654-6633-2

Print on Demand(PoD) ISBN:978-1-6654-6634-9

Conference Location: Jamshedpur, India

https://ieeexplore.ieee.org/document/9707979/authors#authors

Review of wireless power transfer for EV with advancement in designs

Publisher: IEEE Cite This PDF

Balasaheb M. Patil ; Swapnil Y. Gadgune All Authors

2 Cites in Papers

284 Full Text Views

Abstract:
Drastic Indian wireless power transfer (WPT) human interference in EV charging process with the help of Magnetic resonance. inductive power transfer is the key to WPT in recent years distance barriers are changed from millimeters to kilometers with great efficiency. In this paper, an advanced technique that has been invented in several years is focused. Also how battery size reduction can achieve with several techniques are taken into the picture.

Published in: 2021 5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT)

Date of Conference: 10-11 December 2021

DOI: 10.1109/ICEECCOT52851.2021.9707979

Date Added to IEEE *Xplore*: 16 February 2022

Publisher: IEEE

ISBN Information:

Conference Location: Mysuru, India

Published in: 2021 5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT)

Date of Conference: 10-11 December 2021

DOI: 10.1109/ICEECCOT52851.2021.9707979

Date Added to IEEE *Xplore*: 16 February 2022

Publisher: IEEE

ISBN Information:

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Print on Demand(PoD) ISBN:978-1-6654-3273-3

Conference Location: Mysuru, India

https://ieeexplore.ieee.org/document/9753184

Performance Analysis of a Nine Level Cascaded H-Bridge Multilevel Inverter In Comparison To Comparable Lower-Level Topologies

Publisher: IEEE Cite This PDF

Teja Ramchandra Shenai ; Sneha Arun Patil All Authors

232
Full
Text Views

Abstract:
Multilevel inverters area unit utilized in varied sectors, further as in domain, for medium voltage and high power applications. MLI generates the specified output within the variety of stepped waveforms with low harmonics. Various voltage levels in MLI can be used to generate alternating voltage with a step structure. With less harmonic distortion, this is similar to sinusoidal waveforms. Traditional MLI has the disadvantage of necessitating a wider range of components, which increases the quality of gate pulse generation. As a consequence, its general price rises. MLI topologies with more power switches have a higher number of harmonics in their output voltage waveform. This work proposes a cascaded H bridge MLI architecture to address these issues. This type of MLI reduces the filter requirement for the production of AC. For modern technical development in industries or power sectors cascaded MLI is used. It has many advantages over the conventional two-level inverter. This topology wants fewer elements once it's compared to the traditional topologies. The most important issue of this investigation is the simulation results of three, five, seven, and nine level Single-Phase CHBMLI, as well as their THD values. The THD is discussed for each level with the help of the simulation result. In this proposed method SPDM technique using Triangular Multiple Carrier waves is used. MATLAB/ SIMULINK software system is employed to simulate all configurations and therefore the results of every level are compared.

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Date of Conference: 11-13 February 2022

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Print on Demand(PoD) ISBN:978-1-6654-5884-9

Conference Location: New Delhi, India

ORAL CIET06

Development of A Semi-Automated Soil and Crop Image Analyst Using Smartphones: A Tool to Enhance the Use of Information Systems in Agriculture

Dhawale, N.M.[1]*, Mat Su, A.S.[2], Ghewade, D.V.[3], Shinde S.A.[4], Desai, V.P.[5], Patil, S.A.[6], and Patil, V.S.[4]

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[5]Department of Computer Studies, V.P. Institute of Management Studies and Research, Vijaynagar, 416401, Sangli, Maharashtra, India.
[6]Department of Electrical Engineering, P.V.P. Institute of Technology Budhgaon, 416304, Sangli, Maharashtra, India.

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vaishalipawar494@gmail.com (Patil, V.S.)

This work describes the development of a semi-automated image analyst tool to process and analyze soil and crop images captured using smart phones. The tool consists of various client and server side processes. In the current version, the server side is fully automated and the client side is semi-automated. A user manual is provided to the clients to help them follow the right set

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https://www.researchgate.net/publication/356471780_On_The_Development_Of_A_Semi-Automated_Soil_And_Crop_Image_Analyst_Using_Smart_Phones_A_Tool_To_Enhance_Use_Of_Information_Systems_In_Agriculture

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Department of Environmental Science & UGC-STRIDE Cell

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IMCRTESM 2021

Abstract ID: IMCRTESM202107

International Multidisciplinary Conference on Recent Trends in Environmental Science and Management

This is to certify that Prof./Dr./Mr. **Ashutosh Ramchandra Dandekar** of **PVPIT Budhgaon** has participated & presented paper on **The Study of Environmental Friendly Practices In the Traditional Indian Knowledge and Its Utilization for Green Engineering** in the International Multidisciplinary Conference on Recent Trends in Environmental Science and Management organized by Department of Environmental Science & UGC-STRIDE Cell, K. R. T. Arts, B. H. Commerce, A. M. Science (KTHM) College, Nashik, Maharashtra, India in collaboration with Brazil Chapter, International Youth Society, Australia held during 6th & 7th August 2021.

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Department of Environmental Science & UGC-STRIDE Cell

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IMCRTESM 2021

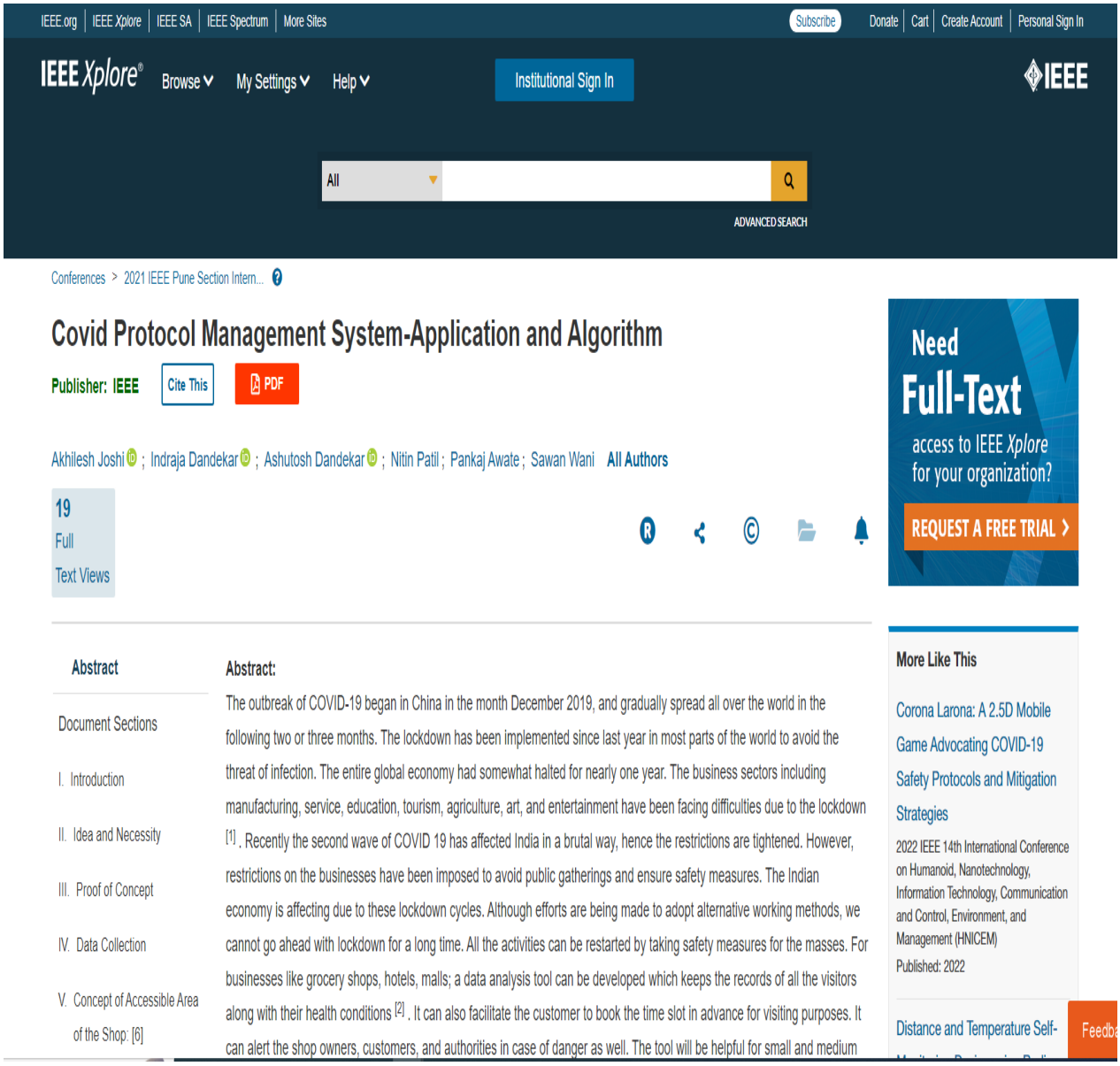
Abstract ID: IMCRTESM202107

International Multidisciplinary Conference on Recent Trends in Environmental Science and Management

This is to certify that Prof./Dr./Mr. **Vishal Pandurang Patil** of **P.V.P.I.T. Budhgaon, Sangli** has participated & presented paper on **The Study of Environmental Friendly Practices In the Traditional Indian Knowledge and Its Utilization for Green Engineering** in the International Multidisciplinary Conference on Recent Trends in Environmental Science and Management organized by Department of Environmental Science & UGC-STRIDE Cell, K. R. T. Arts, B. H. Commerce, A. M. Science (KTHM) College, Nashik, Maharashtra, India in collaboration with Brazil Chapter, International Youth Society, Australia held during 6th & 7th August 2021.

Mr. K. D. Ahire Convener IMCRTESM 2021	**Dr. H. C. Tiago Soares** Convener, IMCRTESM, 2021 Country Director Brazil, IYS	**Dr. Piya Ratna Maharjan** Global President, International Youth Society	**Dr. P. M. Nalawade** Head, Dept. of Envt. Science, KTHM College, Nashik	**Dr. N. D. Gaikwad** IQAC Coordinator KTHM College, Nashik	**Dr. V. B. Gaikwad** Principal KTHM College, Nashik

A. Joshi, I. Dandekar, A. Dandekar, N. Patil, P. Awate and S. Wani, "Covid Protocol Management System-Application and Algorithm," 2021 IEEE Pune Section International Conference (PuneCon), Pune, India, 2021, pp. 1-6, doi: 10.1109/PuneCon52575.2021.9686540. keywords: {COVID-19;Protocols;Data analysis;IEEE Sections;Education;Entertainment industry;Safety;COVID-19;Public Safety in unlock phase;COVID-19 data;social distancing},



Published in: 2021 IEEE Pune Section International Conference (PuneCon)

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USB ISBN:978-1-6654-4478-1

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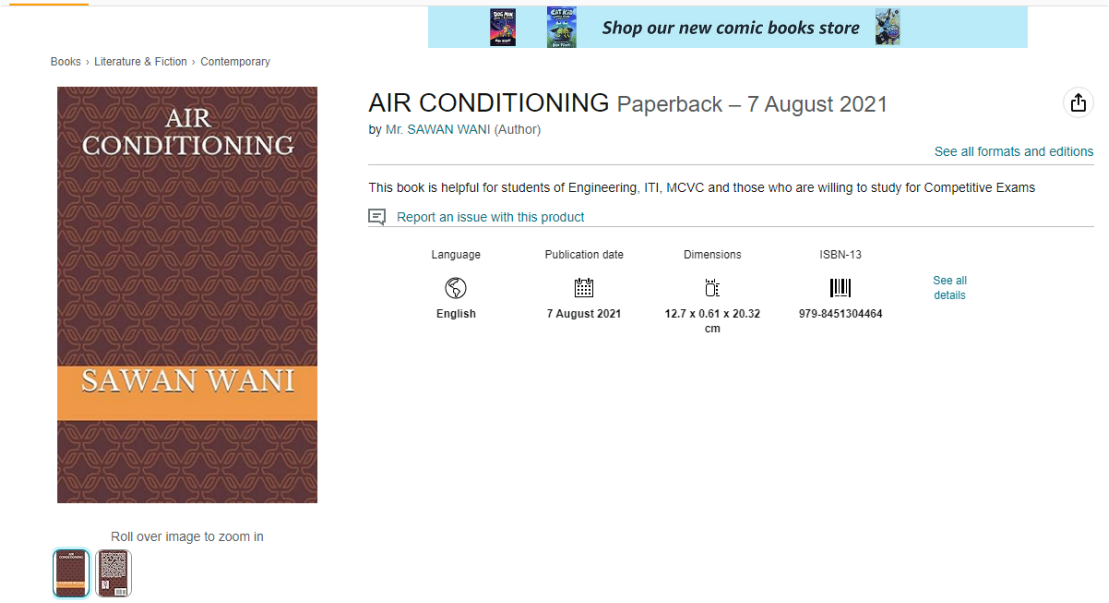
Conference Location: Pune, India



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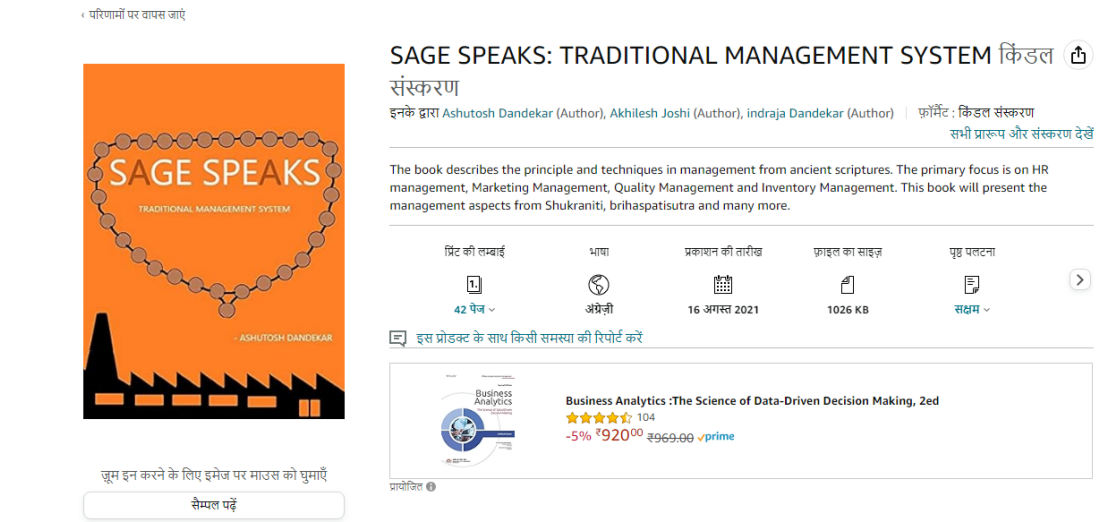

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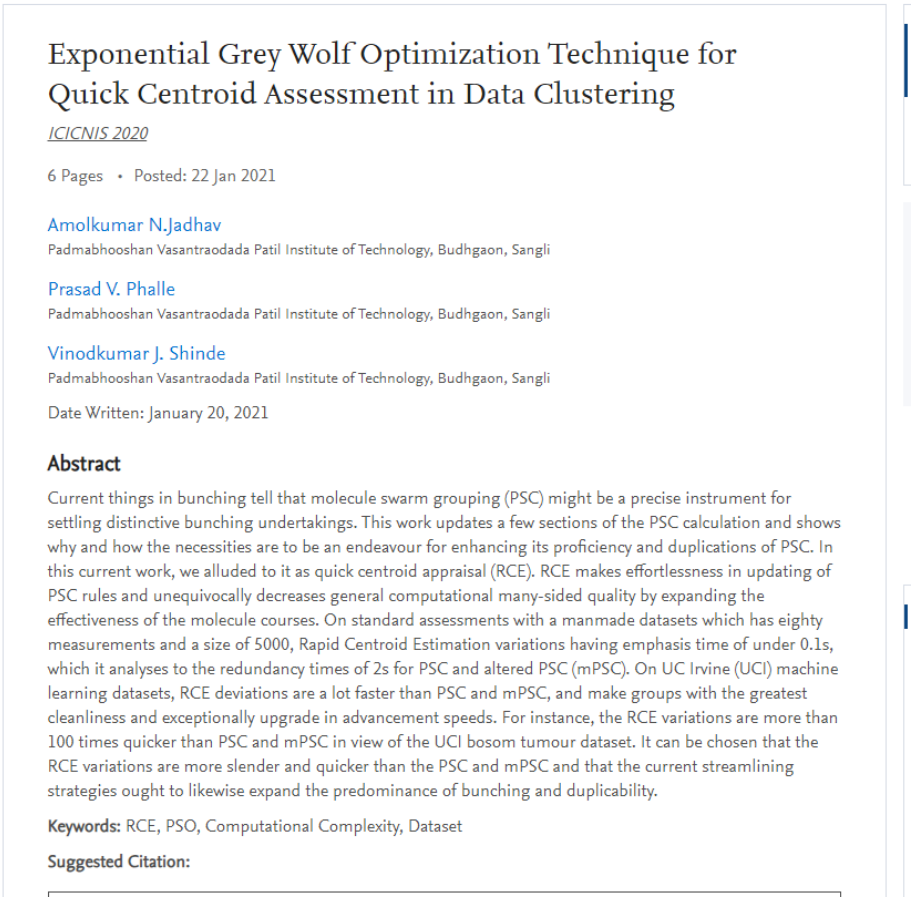


Exponential Grey Wolf Optimization Technique for Quick Centroid Assessment in Data Clustering

ICICNIS 2020

6 Pages • Posted: 22 Jan 2021

Amolkumar N.Jadhav
Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon, Sangli

Prasad V. Phalle
Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon, Sangli

Vinodkumar J. Shinde
Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon, Sangli

Date Written: January 20, 2021

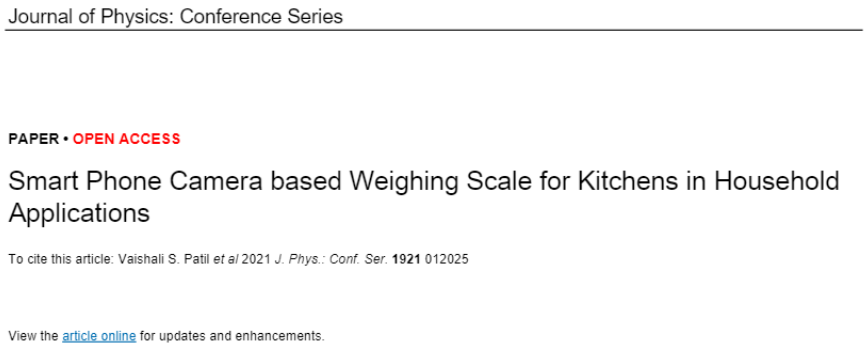
Abstract

Current things in bunching tell that molecule swarm grouping (PSC) might be a precise instrument for settling distinctive bunching undertakings. This work updates a few sections of the PSC calculation and shows why and how the necessities are to be an endeavour for enhancing its proficiency and duplications of PSC. In this current work, we alluded to it as quick centroid appraisal (RCE). RCE makes effortlessness in updating of PSC rules and unequivocally decreases general computational many-sided quality by expanding the effectiveness of the molecule courses. On standard assessments with a manmade datasets which has eighty measurements and a size of 5000, Rapid Centroid Estimation variations having emphasis time of under 0.1s, which it analyses to the redundancy times of 2s for PSC and altered PSC (mPSC). On UC Irvine (UCI) machine learning datasets, RCE deviations are a lot faster than PSC and mPSC, and make groups with the greatest cleanliness and exceptionally upgrade in advancement speeds. For instance, the RCE variations are more than 100 times quicker than PSC and mPSC in view of the UCI bosom tumour dataset. It can be chosen that the RCE variations are more slender and quicker than the PSC and mPSC and that the current streamlining strategies ought to likewise expand the predominance of bunching and duplicability.

Keywords: RCE, PSO, Computational Complexity, Dataset

Suggested Citation:

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3769898



Journal of Physics: Conference Series

PAPER • **OPEN ACCESS**

Smart Phone Camera based Weighing Scale for Kitchens in Household Applications

To cite this article: Vaishali S. Patil *et al* 2021 *J. Phys.: Conf. Ser.* **1921** 012025

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Journal of Physics: Conference Series

PAPER • OPEN ACCESS

Smart Phone Camera based Weighing Scale for Kitchens in Household Applications

Vaishali S. Patil[1], Santosh A. Shinde[1] and Nandkishor M. Dhawale[2]

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Journal of Physics: Conference Series, Volume 1921, First International Conference on Advances in Smart Sensor, Signal Processing and Communication Technology (ICASSCT 2021), 19-20, March 2021, Goa, India

Citation Vaishali S. Patil *et al* 2021 *J. Phys.: Conf. Ser.* **1921** 012025

DOI 10.1088/1742-6596/1921/1/012025

Article PDF

References

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Article
509 Total

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Abstract

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Abstract

Measurement of physical variables is the most important task in manufacturing, production and trading of each and every produce. E.g. our clothes cannot be stitched properly without taking bodily measurements by a tailor. Household furniture if produced oversize cannot be brought inside homes if the measurement's of door at entry was not considered in prior. Kitchen food cooked by every fellow Indian sisters, mothers, and daughters can produce some mouthwatering tastes, only if all cooking ingredients were mixed in the right proportion's, else many have experienced the odds, with special attention to salt, sugar, chili powder, turmeric powder, and other spices. Cooking food is an art and science both and the ingredients to be added in proportion are measured in prior using tools such as measuring spoons, cups and sometimes using weighing scales. Often measurements are carried with confidence of eyes and hands without use of tools, with special attention if one does not have a

https://iopscience.iop.org/article/10.1088/1742-6596/1921/1/012025

The Challenge of Unemployment and Entrepreneurship Before Rural India and Its Solution Through the Foundry Business Using Traditional Indian Knowledge System

Conference paper | First Online: 20 June 2021
pp 1041–1050 | Cite this conference paper

Ashutosh Dandekar, Akhilesh Joshi, Indraja Dandekar, Narayan Hargude, Amod Shrotri & Satish Kulkarni

718 Accesses

Abstract

The traditional Indian knowledge system has always encouraged skill-based learning, wherein entrepreneurs played a key role in society. As per the ancient Indian culture, there are thirty-two streams of 'Vidyas; (Knowledge) and Sixty-four types of the 'Kalas' (Arts). Every Indian village was a self-dependent and smart village in those times. There was a system called 'Bara Balutedars', which was implemented to drive the routine administration as well as the economy of the village. The system could be considered as the backbone of the rural economy. However, after the nineteenth century, it was disintegrated gradually. Especially, after globalization, the condition of Indian villages worsened and the prolonged effect of the policies adopted at that time can be observed even today. The rural

https://link.springer.com/chapter/10.1007/978-3-030-69925-3_99

Techno-Societal 2020

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Title	Techno-Societal 2020
Published by	Springer Nature, June 2021
DOI	10.1007/978-3-030-69925-3
ISBNs	978-3-03-069925-3, 978-3-03-069924-6
Editors	Pawar, Prashant M., Balasubramaniam, R., Ronge, Babruvahan P., Salunkhe, Santosh B., Vibhute, Anup... [show]

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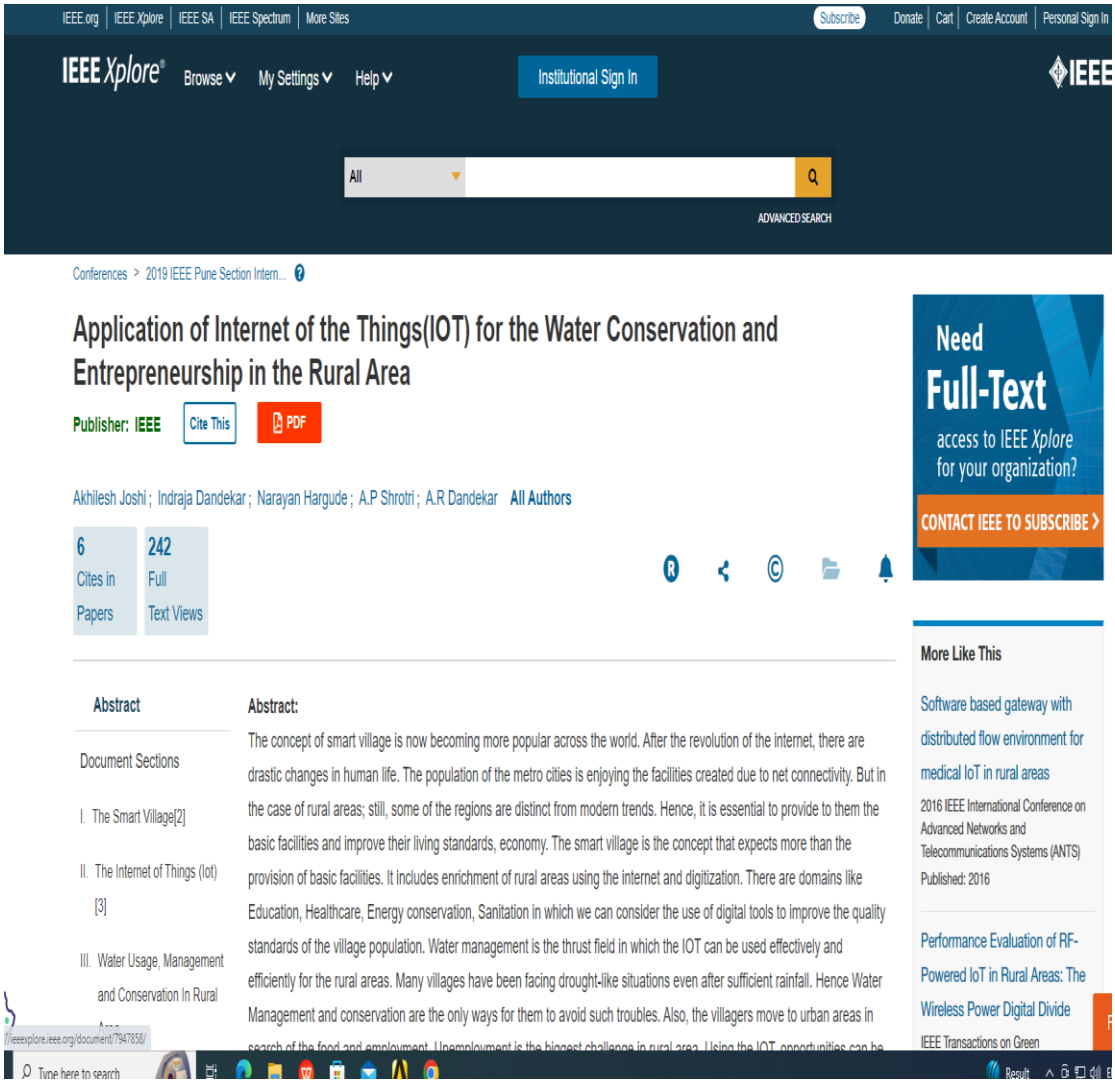

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Conference Location: Pune, India

5)2018-19

MPPT Based Non-Isolated Step-up Converter for PV Applications

Publisher: IEEE Cite This PDF

Mrunali Satpute ; Sabiya Mulla ; V.B. Savakhande ; Supriya Chougule ; Snehal Patil ; Mangesh A. Chewale All Authors

68 Full Text Views

Abstract:
PV has the range of applications for tomorrow but due to unpredictable output in nature it requires modification before use. Proposed step up converter based on the two principles of coupled inductor and diode capacitor technique. Which lead to give higher output conversion and greater efficiency. Maximum Power Point Tracking(MPPT) is used to modify the efficiency of PV. This system is applicable for fuel cell, HID head lamps, vehicles.

Published in: 2018 International Conference on Current Trends towards Converging Technologies (ICCTCT)

Date of Conference: 01-03 March 2018

DOI: 10.1109/ICCTCT.2018.8550870

Date Added to IEEE *Xplore*: 29 November 2018

Publisher: IEEE

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DVD ISBN:978-1-5386-3700-5
Print on Demand(PoD) ISBN:978-1-5386-3703-6

Conference Location: Coimbatore, India

A Review on UPQC for Power Quality Enhancement in Distribution System

Publisher: IEEE Cite This PDF

R.A. Wanjari ; V.B. Savakhande ; M. A. Chewale ; P.R. Sonawane ; R. M. Khobragade All Authors

6 Cites in Papers
328 Full Text Views

Abstract:
In contemporary years, engineers are progressive lyanxious over the quality of the electrical power. In current power system contain sextensive array of power electronic and electrical apparatus into industrial and commercial applications. There is more number of electronics equipment which is in nonlinear manner which induce a power quality complications like harmonics, voltage sag, voltage swell in the system. Regarding to this power quality issues there is a many compensating devices available but among those Unified Power Quality Conditioner which have a tendency to combine shunt active and series active power filters to alleviate the any kind of voltage mitigation and improves the current variations and also it performs a power factor modification in a network like distribution. Hence at the point of common link we can get an improved power quality like smooth current and rated voltage. In This paper presents a complete literature review on the unified power quality conditioner (UPQC) to improve the electric power quality at distribution levels. This is proposed to present a extensive outline on the different probable UPQC system formation.

Published in: 2018 International Conference on Current Trends towards Converging Technologies (ICCTCT)

Date of Conference: 01-03 March 2018

DOI: 10.1109/ICCTCT.2018.8550918

Date Added to IEEE *Xplore*: 29 November 2018

Publisher: IEEE

Published in: 2018 International Conference on Current Trends towards Converging Technologies (ICCTCT)

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DOI: 10.1109/ICCTCT.2018.8550918

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DVD ISBN:978-1-5386-3700-5

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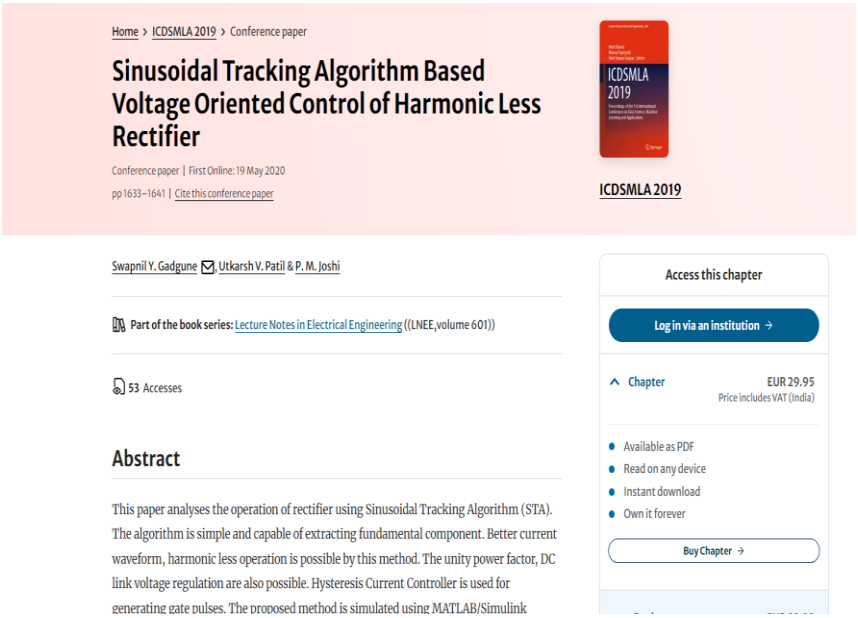
Conference Location: Coimbatore, India



Home › ICDSMLA 2019 › Conference paper

Sinusoidal Tracking Algorithm Based Voltage Oriented Control of Harmonic Less Rectifier

Conference paper | First Online: 19 May 2020

pp 1633–1641 | Cite this conference paper

ICDSMLA 2019

Swapnil Y. Gadgune, Utkarsh V. Patil & P. M. Joshi

Part of the book series: Lecture Notes in Electrical Engineering ((LNEE,volume 601))

53 Accesses

Abstract

This paper analyses the operation of rectifier using Sinusoidal Tracking Algorithm (STA). The algorithm is simple and capable of extracting fundamental component. Better current waveform, harmonic less operation is possible by this method. The unity power factor, DC link voltage regulation are also possible. Hysteresis Current Controller is used for generating gate pulses. The proposed method is simulated using MATLAB/Simulink

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