

IDENTIFICATION OF HARMONICS IN
INVERTER USING WAVELET TRANSFORM”
by Muthu Raja Lakshmi and Edwin Isaac Raj
from Einstein College of Engineering, India.

ARMAND AZONNAHIN

UFRGS

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Introduction

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- ▶ Electrical and Electronics Engineering is a dynamic and exciting discipline which will continue to serve the needs of society through the economic and responsible exploitation of existing technology and the development of innovative ideas.

Objective & Argument

- ▶ This article aims at identifying harmonics in inverter using Discrete Wavelet Transform (DWT).

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- ▶ The authors present an argument for Students of Electrical and Electronic Engineering to use Discrete Wavelet Transform to identify harmonics in inverter which the authors believe is essential for finding the fault easily in the electrical system .
- ▶ Muthu Lakshmi and Edwin Raj are keen to point out that the identification of harmonics in the power system forms the basis in the field of harmonic analysis.

Methodology

- ▶ The authors use a Scientific Method :Question ,Hypothesis, Prediction,Testing, Analysis & Conclusion.

Results

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- ▶ And this identification can be used to find the fault easily.

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- ▶ Students of Electrical and Electronic Engineering would find this article useful for doing simulations with Matlab as would Students of Science and Technology for identifying various categories of power system disturbances.
- ▶ Though lacking informative depth, the article allows to identify clearly harmonics in inverter using wavelet transform .

Conclusion

- ▶ In summary, I believe that the author's position -find the solution of one of the biggest problems in power quality aspects using wavelet transform - has been profoundly developed. Students of Science, Engineering and Technology may be encouraged to use wavelet transform by identifying a powerful signal processing tool in communications .

Conclusion

- ▶ In summary, I believe that the author's position -find the solution of one of the biggest problems in power quality aspects using wavelet transform - has been profoundly developed. Students of Science, Engineering and Technology may be encouraged to use wavelet transform by identifying a powerful signal processing tool in communications .
- ▶ In terms of future research, this article could lead to identify the method of finding fault in the electrical system using Discrete Wavelet Transform (DWT).

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Contact

- ▶ armand.azonnahin@gmail.com
- ▶ r.muthu26@gmail.com
- ▶ edwinisaacraj@gmail.com
- ▶ Einstein College of Engineering, Tirunelveli, India .

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THANKS !