PAPER TITLE ….

*TITLUL LUCRARII….*

Marin PETRE[[1]](#footnote-1), Ion POPESCU[[2]](#footnote-2)

**Abstract:** In the abstract, the author(s) will specify the original aspects of the paper: personal achievements, original approach of a theme, a.s.o. The abstract (no more than 100 words) must be written in English and the paper original language, if it is other than English.

The abstract will be written in italics(10pts), centered left – right 1cm with Format – Paragraph.

**Keywords**: words which are representative for the paper.

**Rezumat:** În rezumat, autorul (autorii) va/vor specifica aspectele de originalitate ale lucrarii: realizari personale, abordari originale ale temelor şi aşa mai departe. Rezumatul (nu mai mult de 100 de cuvinte) trebuie scris în limba Engleza şi în limba originală a articolului (dacă aceasta este alta decât limba Engleză). Rezumatul va fi scris in italic (10pts), centrat stanga – dreapta 1 cm cu Format – Paragraf.

**Cuvinte cheie:** expresii reprezentative pentru lucrare

1. Introduction

The title, „**Introduction**”, will be numbered; it will be written in small characters (12 pts), bold.

In the introduction to the paper, the author(s) will specify the present stage of the branch researches (by quoting the adequate bibliography) and will specify the purpose of the paper.

2. Paper contents

The chapter titles will be numbered, if necessary, and will be written in small characters (12 pts), bold.

The presentation will be clear and concise, and the symbols used therein will be specified in a symbol list (if necessary). In the paper it will be used the measurement units International System. In the paper, there will be no apparatus or installation descriptions.

3. Equations

The equations will be aligned to the right and written with the equations editor; set size 12, 10, 7, 18, 12; style: italics variable, LC Greek, italics.

|  |  |  |
| --- | --- | --- |
|  | $$rot\bar{H}=\bar{J}+\frac{∂\bar{D}}{∂t} ,$$ | (1) |

|  |  |  |
| --- | --- | --- |
|  | $$rot\bar{E}=-\frac{∂\bar{B}}{∂t} ,$$ | (2) |

|  |  |  |
| --- | --- | --- |
|  | $\bar{D}=ε⋅\bar{E} ,$  | (3) |

|  |  |  |
| --- | --- | --- |
|  | $$∆\overline{U}=\overline{U}-\overline{U}\_{L}=R∙\overline{I}+jX∙\overline{I}.$$ | (4) |

|  |  |  |
| --- | --- | --- |
|  | $$u\_{R}\left[\%\right]=\frac{∆P\_{k}}{S\_{r}}∙100 .$$ | (5) |

4. Tables

The table will be written in small characters (10 pts). The table title will be centered, bold and its name will be written in italics (10 pts), aligned to the right.

Table 1 - Values of individual harmonic voltages at the supply terminals
for orders up to 25 given in percent of the fundamental voltage *U*1

|  |  |
| --- | --- |
| Odd harmonics | Even harmonics |
| Not multiples of 3 | Multiples of 3 |
| Order*h* | Relativevoltage *Un* [%] | Order*h* | Relativevoltage *U*n [%] | Order*h* | Relativevoltage *U*n[%] |
| 5 | 6,0  | 3 | 5,0  | 2  | 2,0  |
| 7 | 5,0  | 9 | 1,5  | 4  | 1,0  |
| 11 | 3,5  | 15 | 0,5  | 6 … 24 | 0,5  |
| 13 | 3,0  | 21 | 0,5  |  |  |
| 17 | 2,0  |  |  |  |  |
| 19…25 | 1,5  |  |  |  |  |
| NOTE   No values are given for harmonics of order higher than 25, as they are usually small, but largely unpredictable due to resonance effects. |

5. Figures

The Figs will be centered. The legend will be written with 10 pts characters.

The Figs will have a centered legend (10 pts)

Δ*U*

$$\overline{U}\_{E}/\sqrt{3}$$

*I*

$$\overline{U}\_{A}/\sqrt{3}$$

*R*’⋅*l*⋅*I*

*j*⋅*X*’⋅*l*⋅ *I*

ϕ

*I* ; λ = cosϕ

*UE*

*UA*

*l*; *R*’; *X*’

Figure 1 − The voltage drop on an electrical line.

6. Conclusions

The paper will end with a conclusion paragraph in which the author (s) will specify the original results obtained and their possible applications (if any).

The title **„Conclusions”** will be numbered, it will be written in small characters (12 pts), bold, centered.

R E F E R E N C E S

The bibliography will respect the quotation within the text it will be numbered currently and the text quotations will be made in square brackets, e.g. [1].

In the bibliography the author (s) will make the following compulsory specifications: their first name initials and their family name, the title of the book, the printing house, the place and the year of the periodical in which it was published, the number (month), the volume (bold), the year, the paper first and last page. The author (s) first and family name will be written in italics (10 pts).

The books and articles published in Romanian will be written in Romanian and translated in English between parentheses.

[1] *A.Chauhan A, R.Thakur R*. „Power Quality Improvement using Passive & Active Filters,”

International Journal of Engineering Trends and Technology (IJETT) – Volume 36, Number 3- June 2016.

[2] *S.Masri, P.W.Chan* „Determination of Transformer Rating Based on Total Harmonic Distortion Under Balanced Conditions,” Journal of Engineering Science, Vol. 7, pag. 51–61, 2011.

[3] *S.Awili, T.O’Donnell* „Integrating Smart Solid State Transformesrs into Distribution Substations,” CIGRE 2016, Paris, rap. B4-303.

[4] *M.Eremia, C.C. Liu, A.A. Edris* „Advanced solution in power systems. HVDC, FACTS, and Artificial Intelligence,” IEEE Press, Wiley, New Jersey, 2016.

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