

Rules for Preparing a Paper to be Submitted for Publication in a Special Thematic Edition of the "Energy" Magazine - "Modern Problems of Power Engineering and Ways of Solving Them"

A paper may be submitted to the editorial office in *Georgian, English or Russian* languages. The volume of a paper must not exceed 4 – 6 pages of an A4 format (297 X 210 mm)

A paper for submission must be prepared in MS Word, .docx (.doc) formats. Fonts: Georgian – Sylfaen, English and Russian – Times New Roman. Margins of a paper: upper – 25 mm, lower – 25 mm, on the right – 20 mm, on the left – 20 mm. A text to be done automatically.

The Structure of a Paper

On the first line:

The name of the article in the language of the article.

Fonts: Georgian – Sylfaen, English and Russian – Times New Roman. Size – 11. The text is aligned in the center of the page (**bold**).

By skipping one line:

The name and surname of the author, **his/her scientific degree and title**.

Fonts: Georgian – Sylfaen, English and Russian – Times New Roman, size – 10, interval – 1; the text is aligned on left side of the page (a name and surname in **Bold**).

The next line:

The name of an organization, its city/town, country and an electronic address (E-mail).

Fonts: Georgian – Sylfaen, English and Russian – Times New Roman, size – 10, interval – 1; the text is aligned on left side of the page (a name and surname in **Bold**).

In case there are two or more authors, each authors and his/her data must be typed in the new line.

By skipping one line:

Annotation: in the language of the article. The volume must not exceed **500** words.

Fonts: Georgian – Sylfaen, English and Russian – Times New Roman, size – 10, interval – 1; the text is aligned on the width of the page (“Annotation” – in **Bold**).

On the next line:

Key words: there must 4 – 5 keywords (there must no more than two compound words).

Fonts: Georgian – Sylfaen, English and Russian – Times New Roman, size – 10, interval – 1; the text is aligned on the width of the page (“key words” – in **Bold**). The first are written an annotation and key words in the language of an article.

For Georgian and Russian articles, skipping a line:

The name of an article, authors, annotation and key words in English language.

Skipping a line after English keywords the content of an article is typed.

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The parameters are calculated by the equation:

$$\sin^2\alpha + \cos^2\alpha = 1, \quad (1)$$

Where

α –

The results are shown in the table 1.

Table 1.

#	Studied Parameter	Result
1	Network Voltage	380 V
2	Load Current	1500 A
3	Power Factor	0,96

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Conclusions

1. It is substantiated that the harmonics of each frequency spectrum of the high-order harmonic spectrum generated by the electric current due to the load current of the electric user are characterized by pronounced asymmetry, and it is necessary to take it into account when compiling diagrams and parameters of harmonic suppression filters.

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References (Literature):

1. Вагин Г.Я., Севостьянов А.А. Электромагнитная совместимость в электроэнергетике: учебник для вузов. Нижний Новгород: НГТУ, 2004. 214с.
2. Yacamini Y. Power Systems Harmonics. – Part 3: Problems Caused by Distorted Supplies/ Power Engineering Journal. October 1995, pp. 233-238.
3. ჭუნაშვილი ბ., კობალია მ. პეტროსიანი ა., შამპრიანი ნ. ელექტრომომარაგების სისტემის დატვირთვების ფიზიკური მოდელის დამუშავება// ენერგეტიკა: რეგიონული პრობლემები და განვითარების პერსპექტივები. ქუთაისი, 2015. #3 გვ. 6-8.

References (transliterated)

1. Vagin G.YA., Sevost'yanov A.A. Elektromagnitnaya sovmestimost' v elektroenergetike: uchebnik dlya vuzov [Electromagnetic compatibility in the electric power industry: university textbook]. Nizhnij Novgorod: NGTU, 2004. 214 p.
2. Yacamini Y. Power Systems Harmonics. – Part 3: Problems Caused by Distorted Supplies/ Power Engineering Journal. October 1995, pp. 233-238.
3. Chunashvili b., qobalia m. petrosiani a., shampriani n. eleqtromomargebis sistemis datvirTvebis fizikuri modelis damushaveba [Development of a physical model of loads of the power supply system]// energetika: regionuli problemebi da ganviTarebis perspeqtivebi. KuTaisi, 2015. #3 gv. 6-8.