Paper Title

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Abstract

Place here short abstract in English. Please do not exceed 100 words.

Keywords: computer science, information technologies, conference proceedings (do not exceed 5-6 terms).

1 Introduction

The authors for MFOI'2018 Conference Proceedings are requested to follow instruction given in this sample paper. This template provides authors with most of needed formatting specifications.

Organizing Committee recommends preparing paper using this template style set. Your paper is required to be 6–16 pages (one page approximating A5 size).

2 Title of section

To prepare your papers for MFOI'2018 Conference Proceedings, please, use style mfoi2018.sty. The page margins and size, line spaces and text fonts are prescribed in this style.

3 Title of section

Author's affiliation (institution, address, E-mail) should be given in the bottom of the paper.

In the beginning of the paper abstract and keywords should be given. Abstract should be about 100 words.

Paper text may be divided in a number of sections, subsections and subsubsections.

Equations should be centered and labelled. Equation numbers, within parentheses, are to position flush right, as in Eq. (1).

$$\frac{\partial^2 i}{\partial x^2} = \frac{LC}{(\Delta x)^2}\frac{\partial^2 i}{\partial t^2} + \frac{L}{(\Delta x)^2 R}\frac{\partial i}{\partial t} \tag{1}$$

Larger equation must be split in multiple lines, as in Eq. (2). Number equations consecutively.

$$S(x) = f_i + (f_{i+1} - f_i)t + \frac{h_i^2 M_i(1-t)((1-t)^{\alpha_i} - 1)}{\alpha_i(\alpha_i + 1)} +$$

$$+ \frac{h_i^2 M_{i+1}t(t^{\alpha_i} - 1)}{\alpha_i(\alpha_i + 1)} \tag{2}$$

where the following notations are used:

$$t = (x - x_i)/h_i, h_i = x_{i+1} - x_i, S''(x_i) = M_i.$$

All figures must be stored in *.eps format with the minimum resolution of 300 dpi. Each figure must have a caption under the figure (see Fig.1).
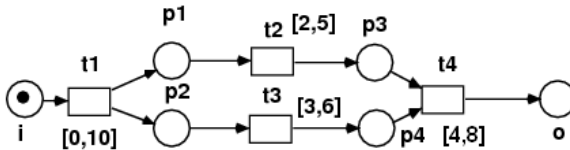

Figure 1. Caption for Figure 1.

When you refer to an equation, figure, table, section or literature references in the text of the paper please use the following expressing: Eq. (1), Eqs. (1) and (2), Fig. 1, Figs. 1 and 2, Table 1, Tables 1 and 2, Section 1, [1], [2, 4-7].

4 Title of section

Below there is example for Definition, Theorem and Corollary layout. Also pattern for Example and Table are given. These layouts are recommended, but not obligatory.

4.1 Example of subsection 1

Definition 1 [3]. *A vertex y is called copy for vertex $x(x \neq y)$, in graph $G = (X; U)$ if $\Gamma(x) = \Gamma(y)$.*

Theorem 1 [6]. *If T is a tree with at least 3 vertexes, then graph $G = L(T, T_0)$ is d-convex simple and planar.*

4.2 Example of subsection 2

Corollary 1 *For a graph K_n with $n \geq 3$, we have:*

$$\begin{cases} \overline{\chi}(K_n) = \frac{9k^2 - 7k}{3} & \text{if} \quad n = 3k \\ \overline{\chi}(K_n) = \frac{9k^2 + k - 2}{2} & \text{if} \quad n = 3k + 1 \\ \overline{\chi}(K_n) = \frac{9k^2 + 5k - 2}{2} & \text{if} \quad n = 3k + 2 \end{cases}$$

4.2.1 Example of subsubsection

Example 1 *Let $A = Q[x^2, xy] \subseteq Q[x, y]$ and use the degree lexicographical order with $x > y$. The set $F = \{x^2, xy\}$ is a SAGBI basis for A. Let $g = x^3y + x^2$ and $h = x^4 + x^2y^2$ in A. A Hilbert basis for the set of solutions of the equation (3) is:*

$$\vec{v}_1 = (0,0,1,0,1,0), \quad \vec{v}_2 = (0,1,0,1,0,0), \quad \vec{v}_3 = (0,2,0,0,0,1),$$
$$\vec{v}_4 = (1,0,0,1,1,0), \quad \vec{v}_5 = (1,1,0,0,1,1), \quad \vec{v}_6 = (2,0,0,0,2,1).$$

Thus $PV = \{\vec{v}_5\}$, so by Algorithm 1 a syzygy family for (g, h) is $\{G^{(1,1,0)} - H^{(0,1,1)}\} = \{-x^3y^3 + x^4\}$.

Tables must have caption located above the table (see Table 1).

Table 1. Caption for Table 1

	$V(I_1)$	$V(I_2)$	$V(I_3)$	$V(I_4)$	$V(I_5)$
$V(I_1)$	0	571.3183	293.0381	675.6527	319.3169
$V(I_2)$	571.3183	0	599.5098	359.3718	618.9163
$V(I_3)$	293.0381	599.5098	0	686.5573	361.6215
$V(I_4)$	675.6527	359.3718	686.5573	0	712.8829
$V(I_5)$	319.3169	618.9163	361.6215	712.8829	0

5 Conclusion

In this paper the instructions for preparing camera ready paper for including in the Proceedings of the International Conference MFOI'2018 are given.

References

[1] Use style for References MFOI2018.

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[3] M. Portz. *A generallized description of DES-based and Benes-based permutation generators.* LNCS, vol. 718 (1992), pp. 397–409.

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