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# A sample short paper to be submitted to the International Conference SCDG2024

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**Abstract:** Place here an abstract of 100–200 words.

**Keywords:** up to 10 keywords, comma separated.

## Introduction

The paper should be 2–4 pages long. The names of your .tex-file, .eps-files of figures as well as all labels within the paper (introduced with `\label`, `\bibitem` etc.) must begin with the surname of the first author.

## 1. Main result

Please do not define additional commands.

All formulas that are referred to in the text should be automatically numbered. For multi-line formulas the authors may use `gather` and `gathered` environments

$$\begin{gathered}\frac{\partial z_i}{\partial t} + a\frac{\partial z_i}{\partial x} = z_i\Big(b_i + u_i - \sum\nolimits_{j=1}^{n} z_j(b_j + u_j)\Big),\\ -\infty < x < +\infty, \quad 0 \le t \le T, \quad z_i(x,0) = z_i^0(x), \quad i = \overline{1,n}.\end{gathered} \tag{1}$$

The components $u_i = u_i(x,t)$, $i = \overline{1,n}$, of control are piecewise smooth functions with the values from a convex closed domain

$$U = \Big\{(u_1,\ldots,u_n) \in \mathbb{R}^n\colon \sum\nolimits_{i=1}^{n} u_i^2 \le C\Big\}, \tag{2}$$

where $C$ is a positive constant.

## 2. Figures and theorems

Authors may include EPS graphics in their papers as shown in fig. 1 on page 2. Please upload your .eps-files along with the .tex- and .pdf-files of your paper via the conference web site.

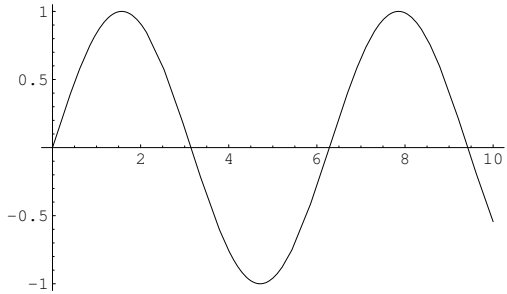


Figure 1. EPS graphics can be inserted into the paper.

The following theorem-like environments are available: `theorem`, `lemma`, `definition`, `proposition`, `statement`, `corollary`, `remark`, `hypothesis`.

To solve the problem (1)–(2) we apply...

**Theorem 1.** *A sample theorem statement. It may include references (1), (2) and citations [1–3, 5].*

The list of references may include up to 10 items arranged in alphabetical order.

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### REFERENCES

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