A template for poster presentation at SLAA

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Abstract

This is a template and short instructions to submit a poster to The 12th Seminar on Linear Algebra and its Applications. Please note to the following limitations in preparation of a poster. The number of manuscript pages is limited to one page, abstract lines: two to seven lines, number of references: up to six. Save your file as SLAA12FirstAuthor.tex and submit a zip file with the name SLAA12FirstAuthor.zip including tex, pdf, figures,... .

Keywords: Linear algebra, Positivity, Symmetry (At least three and at most five keywords)

Mathematics Subject Classification [2010]: 15A03, 15A23, 15B36 (At least one and at most three codes)

1 Introduction

Please note that any paper is limited up to six pages.

2 Main results

Please write the main results here.

2.1 Formulas

You are able to easily provide various types of the formulas by making use of the following instructions:

1. This is a simple formula $X - AXF = Q$, where $A \in \mathbb{C}^{n\times n}, Q \in \mathbb{C}^{n\times p}$, and $F \in \mathbb{C}^{p\times p}$.
2. A typical formula without number:

$$A_{m,n} = \begin{pmatrix} a_{1,1} & a_{1,2} & \cdots & a_{1,n} \\ a_{2,1} & a_{2,2} & \cdots & a_{2,n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{m,1} & a_{m,2} & \cdots & a_{m,n} \end{pmatrix}$$

3. Formula in a separate line with number:

$$\mathcal{K}_1(A, r_0) \subseteq \mathcal{K}_2(A, r_0) \subseteq \cdots \subseteq \mathcal{K}_d(A, r_0) = \cdots = \mathcal{K}_n(A, r_0). \tag{1}$$

3 Theorem-like environments

You may provide theorems and theorem-like environments such as definition, proposition, lemma with ease.

Definition 3.1. A definition is described here.

We can state the following theorem by virtue of Definition 3.1 and Eq. (1).

Theorem 3.2. A theorem is described here.

Proof. A proof is described here, see [2, 3], [1, Theorem 2] or [1, 3, 4]. □

Lemma 3.3 ([3, Lemma 5.1]). A lemma is described here.

Proposition 3.4. A proposition is described here.

Proposition 3.4 leads to the following corollary.

Corollary 3.5. A corollary is described here.

The proposed algorithm is described in Algorithm 3.6.

Algorithm 3.6. Title of the proposed algorithm.

1. For $i = 1, \ldots, n$ do
2. $a(i) = i + 1$.
3. end for

Example 3.7. An example is described here.

Remark 3.8. A remark is described here.

Note 3.9. An important note is described here.

4 Numerical results

Numerical results section, if included, appears here.

4.1 Table and Figure

Sometimes data needs to be displayed in a table or figure. Here we present some examples of using table and figure environments. See Table ?? and Figure 1.

1845	Jacobi	Jacobi method
1874	Seidel	Gauss-Seidel method
1910	Richardson	Richardson's method
1938-1939	Temple	Method of steepest descent
1940s	Various (analysis by Young and Frankel)	Successive overrelaxation (SOR) method
1952	Hestenes and Stiefel	Conjugate gradient method

Table 1: Dates of publication of selected iterative methods.

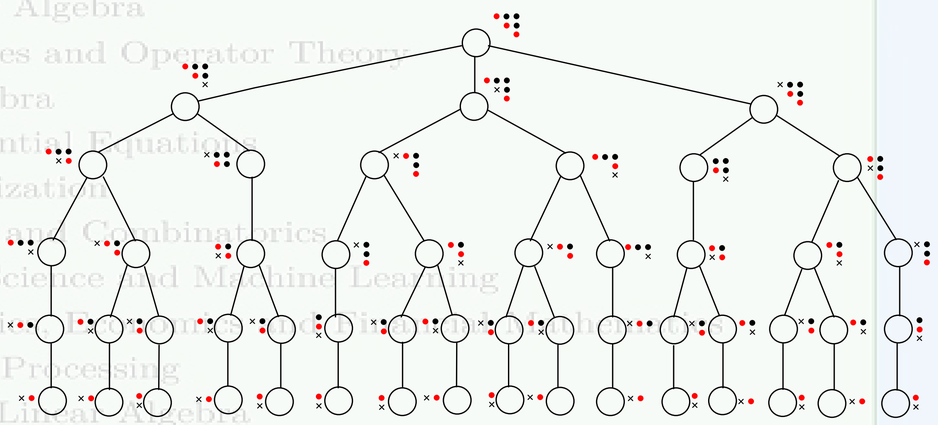

Figure 1: A sample figure caption

5 Conclusion

A one paragraph conclusion (at most four lines) is nessasary.

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