

PRELIMINARY NOTES

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Abstract. Text to be inserted in the abstract

1. Conventions. See <https://www.siam.org/Portals/0/Macros/Standard/docsiamart.pdf> for many examples. I generally adopt the conventions of that template. A few things are remarked below.

1.1. References. These are random citations [1, 2]. For cross-references I use `cleveref`: like this (1.1), like this Equation (1.1), or like this section 1, or this Hypothesis 2.1, or this Claim 2.2.

(1.1)
$$x = y$$

1.2. Todos. You can find templates of other author's todos in `jdmacros.sty`, which you are welcome to edit. This is a short comment . Longer comments can also go inline like the one below.

JD: Long comments by Daniele

JD: Short comment
with my initials

2. Testing commands.

2.1. Testing maths operators. Here are tests for operators

Spec, Range, Span, diag, meas, Id, Re z , Im z , e, i,

2.2. Testing additional theorem-like environments. The following additional theorem-like environments may be useful.

HYPOTHESIS 2.1. *This is a hypothesis*

CLAIM 2.2. *This is a claim*

2.3. Testing sets. This are a few examples of sets (see more commands in `jdmacros.sty`)

\mathbb{R} , \mathbb{C} , \mathbb{Z} , \mathbb{S}^2 , ...

2.4. Empty arguments. Command for empty arguments, which require spacing

$$u(\cdot, t) \quad t \in \mathbb{R}$$

2.5. Calligraphic fonts. If one really must use calligraphic fonts, there are macros for this.

\mathcal{A} , \mathcal{L} , \mathcal{M} , \mathcal{S} ,

REFERENCES

- [1] T. G. KOLDA AND J. R. MAYO, *An adaptive shifted power method for computing generalized tensor eigenpairs*, SIAM Journal on Matrix Analysis and Applications, 35 (2014), pp. 1563–1581, <https://doi.org/10.1137/140951758>.
- [2] *SIAM style manual: For journals and books*, 2013, <https://www.siam.org/journals/pdf/stylemanual.pdf>.

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