PRELIMINARY NOTES

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Abstract. Text to be inserted in the abstract

1. Conventions. See `docsiamart.pdf` for many examples. I generally adopt the conventions of that template. I remark a few things 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.

$$(1.1) \qquad x = y$$

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

> `DA`: Short comment with my initials

> `DA`: Long comments by Daniele

2. Testing commands.

2.1. Testing maths operators. Here are tests for operators

$$\text{Spec}, \quad \text{Range}, \quad \text{Span}, \quad \text{diag}, \quad \text{meas}, \quad \text{Id}, \quad \text{Re}\, z, \quad \text{Im}\, z, \quad e, \quad i,$$

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`)

$$\mathbb{R}, \quad \mathbb{C}, \quad \mathbb{Z}, \quad \mathbb{S}^2, \quad \dots$$

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.

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

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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