

L^AT_EX TEMPLATE

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1. INTRODUCTION

This is a document for beginning with ease. Sometimes I felt disturbed by the structures of the L^AT_EX document. I don't know how to reset the arranges among paragraphs, and some environments crash with each other.

The structure of documents:

- (1) document class;
- (2) packages;
- (3) symbols, containing math operators and other symbols;
- (4) global settings;
- (5) blocks for special features;

$$\begin{array}{ccc}
 \text{Rep}_\Lambda(KZ) & \xrightarrow{\text{c-Ind}_{KZ}^G} & \text{Rep}_\Lambda(G) \\
 \cup & & \cup \\
 \text{Rep}_\Lambda(KZ)_0 & \longrightarrow & \text{Rep}_\Lambda(G)_0 \\
 \cup & & \cup \\
 \mathcal{B} & \xrightarrow{\sim \text{ for f.l.}} & \mathcal{C} \\
 \cup & & \cup \\
 \mathcal{B}_1 & \xrightarrow{\sim} & \mathcal{C}'_1 \cong \text{End}_G(\Pi_1)\text{-Mod} \cong \mathcal{C}_1
 \end{array}
 \quad \swarrow \supset$$

2. EXAMPLES

2.1. Theorem environment.

Theorem 2.1 (see [2, Theorem 18.5.1]). ...

Setting 2.2. ...

Definition 2.3. ...

Lemma 2.4. ...

Proposition 2.5. ...

Corollary 2.6. ...

Conjecture 2.7. ...

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M	$M(1)$	$M(2)$	$M(3)$	$M(4)$	$M(5)$	$M(6)$	<i>OEIS</i>
$\mathcal{C}om$	1	1	1	1	1	1	
$\mathcal{A}ss$	1	2	6	24	120	720	
$\mathcal{L}ie$	1	1	2	6	24	120	
$\mathcal{T}(E_{\mathcal{C}om})$	1	1	3	15	105	945	<i>A001147</i>
$\mathcal{T}(E_{\mathcal{A}ss})$	1	2	12	120	1680	30240	<i>A001813</i>
$\mathcal{T}(E_{\mathcal{L}ie})$	1	1	3	15	105	945	<i>A001147</i>
$(R_{\mathcal{C}om})$	0	0	2	14	104	944	
$(R_{\mathcal{A}ss})$	0	0	6	96	1560	29520	
$(R_{\mathcal{L}ie})$	0	0	1	9	81	825	
$\mathcal{E}nd_{\mathbb{C}^k}$	k^2	$2k^2$	$3k^2$	$4k^2$	$5k^2$	$6k^2$	
$\mathcal{C}om \circ \mathcal{L}ie$							
\vdots							

Claim 2.8. ...

Example 2.9. ...

Exercise 2.10. ...

Fact 2.11. ...

Question 2.12. ...

Warning 2.13. ...

Black box. ...

Conventions and Notations. ...

Remark 2.14. ...

Remarks.

- 1. ...
- 2. ...

REFERENCES

- [1] Jens Niklas Eberhardt. *K*-motives and Koszul duality. *Bulletin of the London Mathematical Society*, 54(6):2232–2253, 2022.
- [2] Ravi Vakil. The rising sea: Foundations of algebraic geometry. *preprint*, 2017.

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