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de aveiro

Title

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University of Aveiro

PhD. in Mechanical Engineering.

February 6, 2025

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1. Introduction
2. Methodology
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Introduction

2 Static Columns

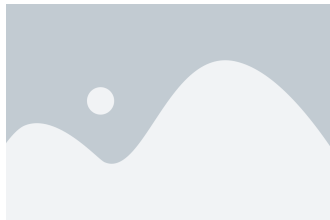
One

Two

Static Text+Image

Subtitle

Geometric Transformation



2 Text Columns Dynamic

Another subtitle

One

TWOOOO

2 Text Columns Dynamic

Another subtitle

One

TWOOOOO

2 Text Columns Dynamic

Another subtitle

One

TWO0000

Methodology

Unraveling itemize

Centered frame

- aa
- aa
- aa
- aa
- aa

Unraveling itemize

Centered frame

- aa
- aa
- aa
- aa
- aa

Unraveling itemize

Centered frame

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Unraveling itemize

Centered frame

- aa
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- aa

Unraveling itemize

Centered frame

- aa
- aa
- aa
- aa
- aa

Tikz Arrows

it
↓
is
↓
what it is

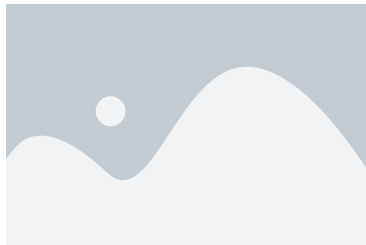
Findings

PDFs

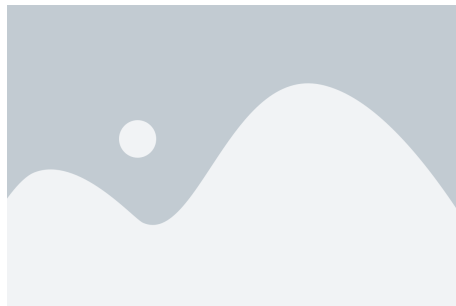


TCP's holding a rigid coupling.

2 Images with citations



Fu *et al.*[1].



Khan *et al.*[2].

Triple unraveling text

One

Two

Three

Triple unraveling text

One

Two

Three

Conclusion

A conclusion with bibliography

- One
- Two :
 - Two dot five
 - Two dot six

References

- [1] Z. Fu, J. Pan, E. Spyarakos-Papastavridis, X. Chen, and M. Li, "A Dual Quaternion-Based Approach for Coordinate Calibration of Dual Robots in Collaborative Motion," 2020. DOI: [10.1109/LRA.2020.2988407](#).
- [2] A. Khan, G. Aragon-Camarasa, L. Sun, and J. P. Siebert, "On the calibration of active binocular and RGBD vision systems for dual-arm robots," 2016. DOI: [10.1109/ROBIO.2016.7866616](#).

A conclusion with bibliography

- One
- Two :
 - Two dot five
 - Two dot six

References

- [1] Z. Fu, J. Pan, E. Spyrakos-Papastavridis, X. Chen, and M. Li, "A Dual Quaternion-Based Approach for Coordinate Calibration of Dual Robots in Collaborative Motion," 2020. DOI: [10.1109/LRA.2020.2988407](#).
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A conclusion with bibliography

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- Two :
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 - Two dot six

References

- [1] Z. Fu, J. Pan, E. Spyrakos-Papastavridis, X. Chen, and M. Li, "A Dual Quaternion-Based Approach for Coordinate Calibration of Dual Robots in Collaborative Motion," 2020. DOI: [10.1109/LRA.2020.2988407](#).
- [2] A. Khan, G. Aragon-Camarasa, L. Sun, and J. P. Siebert, "On the calibration of active binocular and RGBD vision systems for dual-arm robots," 2016. DOI: [10.1109/ROBIO.2016.7866616](#).



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