

Conclusions and Remarks

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- The proposed method effectively estimates physical and semantic properties.
- The multimodal approach outperformed vision-only baselines.

- **Drawbacks**

- Reliance on the correct performance of the semantic segmentation.
- Semantic mapping is memory expensive.

- **Future work**

- Use estimates directly in locomotion controllers (e.g., dynamic gait, fine control).
- Leverage uncertainty to assess environment risk.

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