### Todo list

Figure:	Table: Filter var	$able combinations \dots \dots$
Figure:	Image sequence:	No filtering
Figure:	Image sequence:	Position filtering
Figure:	Image sequence:	Rotation filtering
Figure:	Image sequence:	Position and rotation filtering 6
Figure:	Image sequence:	Position and finger position filtering

#### THESIS PAPER

### Hands in Virtual Reality

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#### Abstract

Here is the abstract of the thesis paper.

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## 1 | Introduction

Introduction here

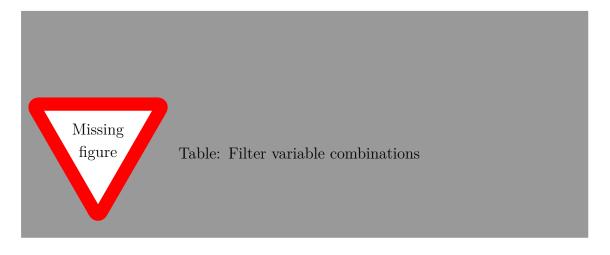
# 2 | Methodology

# 3 | State of the art

### 4 | Implementation

#### Categorization of approaches

- Lead into the explanation for the filter variables.
- Display filter variable table.
- Describe several examples of filter variable combinations and show image sequences.
- (Describe the reasons and effects for filtering on the different variables)?



#### Position filtering

- Describe position filtering.
- Describe reasons to / effects of using position filtering: Prohibit object penetration.
- Describe different methods of implementation. Mention dependentation, physics system.



Image sequence: No filtering



Image sequence: Position filtering

#### Rotation filtering

- Describe rotation filtering.
- Describe reasons to / effects of using rotation filtering: Reduce position filtering, display player's intentions.
- Describe different methods of implementation. Mention choice of complexity (simple rotation filtering / vs advances and more nuances rotation filtering), differentiation between object types, angles of approach.



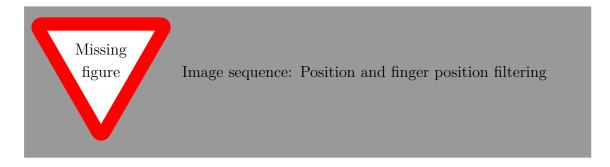
Image sequence: Rotation filtering



Image sequence: Position and rotation filtering

#### Finger position filtering

- Describe finger position filtering.
- Describe reasons to / effects of using finger position filtering: Reduce position filtering, display player's intentions.
- Describe different methods of implementation. Mention differentiation between object types, angles of approach.



# Description of how we evaluated hand iterations ...

#### Implementing filtering

Something about how the implementation of each type of filtering can be done in several ways and perhaps how the order of the types used in a combination might create a different feel.

#### Position filtering

- There are different ways to implement position filtering.
- Position filtering using dependeration.
- Position filtering using the physics system.

#### Rotation filtering

- There are different ways to implement rotation filtering.
- Rotation filtering by manually controlling rotation when approaching obstacle.
- Rotation filtering using the physics system.

#### Finger position filtering

- There are different ways to implement finger position filtering.
- Finger position filtering to avoid obstacles, when approaching them.
- Finger position filtering to anticipate player intend, when approaching obstacles.

#### Hands and their filterings

- Describe each hand and what filtering variables they use.
- Relate hands to the above filtering variable descriptions.

#### Miscellaneous shitz

Hand visualization

Rumblez!

Grabbing system details

# 5 | Experiments and results

# 6 | Conclusion