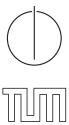
Intelligent Support for non-linear Serious Games

Bachelor's Thesis in Computer Science



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Outline

Introduction

Problem Statement Serious Games Non Linear Games

2 Intelligent Learning Framework Overview

From Actions To Problems

3 Outlook

Future Work OLPC



Problem Statement

games, learning, politics, etc.



what are serious games? serious games are a bussines quote



Frame 3

What do I mean with non-linear games? What are the problems when supporting non-linear games?



Examples

example of a serious game

Physics

block one

Food Force

block two



Goals

show whats the goal of the framework



short introduction of pedagogical agents



how it connects with the game



Use Cases

use cases



Topology

topology action



interaction, event



flow of events through the system



Problem Detection

pattern matching with state machine, regex, blurry match —¿ object design



Future Work

language to describe interactions and patterns use Al / machine learning to learn interactions and patterns extend the framework with above technologies test the framework with various games



One Laptop Per Child

explain the project, whats the connection to ILF



Developers Programme

how does it work, what do they expect, what do they provide



Literature I

