

Disney Imagineering VR Studio

- Disney Imagineering designs the most complex and innovative rides for the Disney themeparks.
- In1998 Disney opened DisneyQuest in Florida, the world largest arcade for virtual rides and virtual reality entertainment.
- VR Studio within Disney Imagineering developed the VR technology.



Panda 3D – The Beginning

- The virtual rides of DisneyQuest were produced using a new graphics engine developed by Imagineering, called Panda 3D.
- The first VR ride they developed using Panda 3D was Alladin's Flying Carpet (1998).



Panda 3D – The Engine

- Panda 3D is a 3D engine "and more".
- The engine is written in C++.
- It is easy to load models and characters into the engine (there are many converters available).
- Originally being a commercial engine, there are many tools with Panda 3D, e.g. for supporting content preparation and for profiling.
- The engine already contains modules for more than graphics, including sound and music, as well as simple physics.
- At run-time the engine interprets a program written using the Python scripting language, which essentially coordinates the application: Sets up the user interface, feeds data to the engine and defines the interactivity.

Panda 3D - Free

- In 2002 Imagineering released the Panda 3D code to the public. Now under a modified BSD license.
- The code continues to be developed at Imagineering and at the CMU Entertainment Technology Center where it is used for teaching the development of interactive digital entertainment.



Panda 3D – Game Development

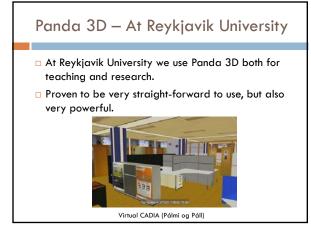
Panda 3D is still used at Disney to develop games, including Toon Town Online (the first MMO for kids)...



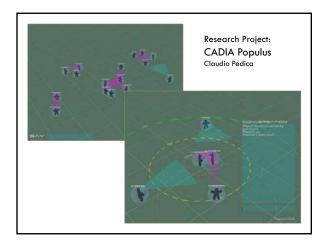


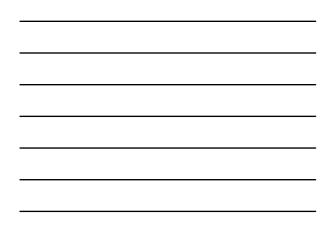






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Programming Assignment: Little Red Ridinghood Páll og Pálmi

Programming Assignment: The Amazing Race Guðný and Freyr

