SIMWALK

SimWalk Simulation Kernel.
Build your own Pedestrian Application.

The leading pedestrian simulation technology of SimWalk is also available as a back end human movement simulation kernel. It allows to build your customized software solution on top of a proven simulation engine.

The SimWalk pedestrian simulation kernel is an advanced object-oriented simulation engine for the simulation of human movement including more than a decade of research and development.

The SimWalk simulation kernel may be applied to solutions or software applications that require a realistic movement of humans or avatars in specified environments, either for real world applications or gaming.

Examples

1. Game engine with realistic movement
2. Extension of existing simulation applications or software (discrete event etc.)
3. Extension of industry specific applications and software (logistics etc.)

Via specified APIs the simulation kernel communicates with your application and triggers or adds realistic movement capabilities to the solution. The simulation algorithm is under constant development to provide a state-of-the-art algorithm for your application.

SimWalk pedestrian simulation software is deployed worldwide by public transport, aviation, security and infrastructure authorities to evaluate passenger and pedestrian dynamics in different settings.

SimWalk Kernel

SimWalk simulation kernel offers the advantages of a high-end simulation technology, flexible architecture and customization for your own application. The Kernel API allows to improve your solution by adding realistic pedestrian movement.

Kernel Deliverables

SimWalk simulation kernel is a C++ based application with a predefined API that allows to build a wide range of customized visualizations or other front ends and applications that require or benefit from a real-world human movement simulation engine.

Depending on your requirements, SimWalk kernel can be delivered as an executable application with predefined APIs or as source code. Adaptations or developments will be delivered on a project basis.

Contact

Savannah Simulations AG
Alte Dorfstrasse 24
CH-8704 Herrliberg
Switzerland
Phone: +41 (0)44 790 17 14
sales@simwalk.com
http://www.simwalk.com