#### Videojogos VJ 2016

Covilhã, 24 e 25 de novembro

# **JOT: A Modular Multi-purpose Minimalistic Massively Multiplayer Online Game Engine**

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https://g-amador.github.io/JOT/

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## Why JOT? ... and why Java (instead of C++)?































































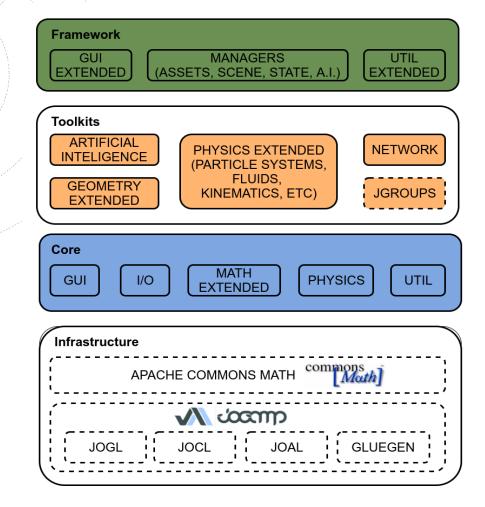


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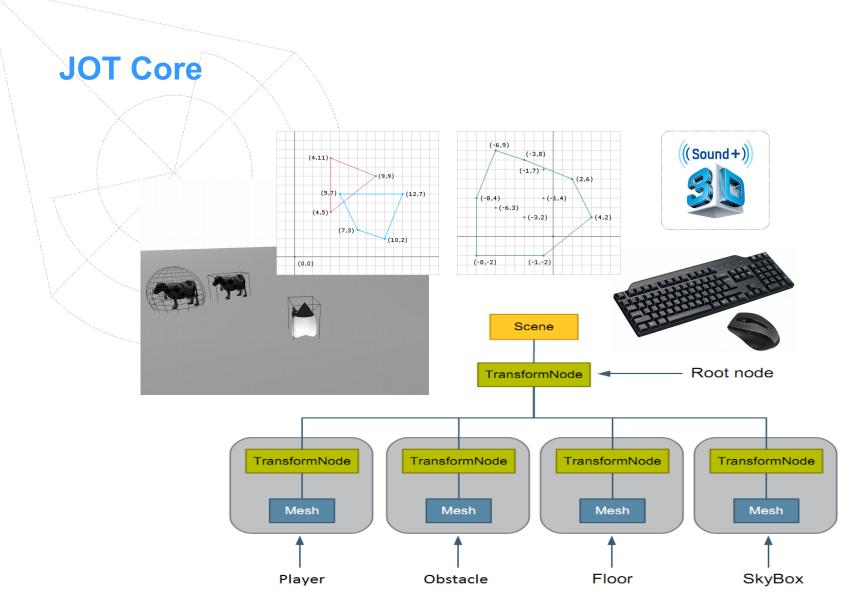
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### JOT architecture





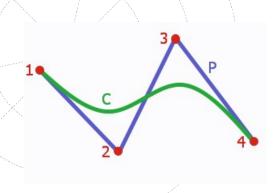


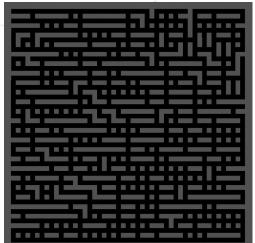


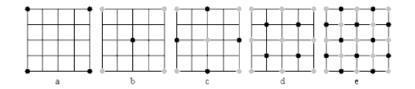


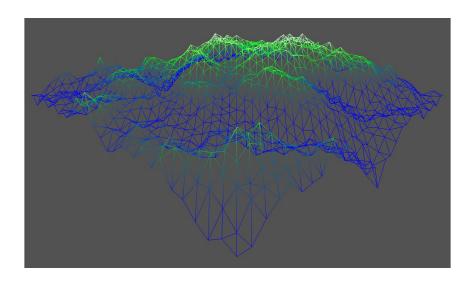


## **JOT Geometry Toolkit**





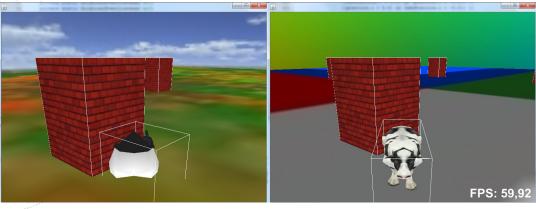




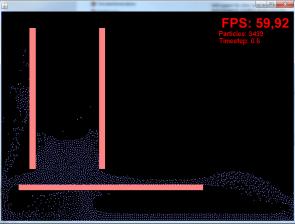




## **JOT Physics Toolkit**



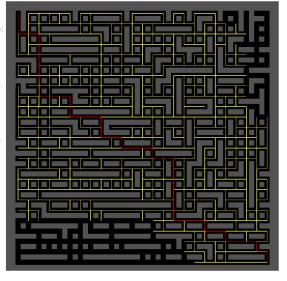


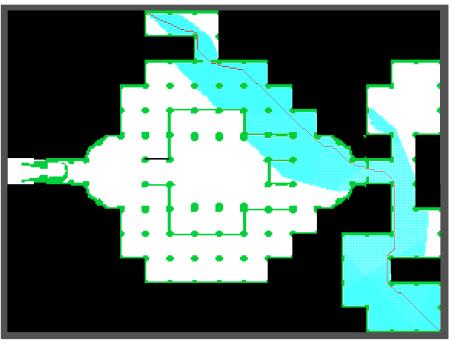






### JOT AI Toolkit

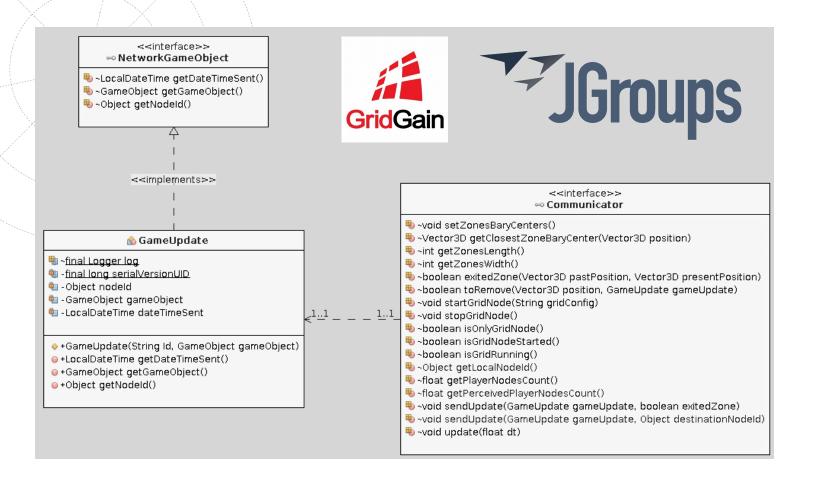








### **JOT Network Toolkit**

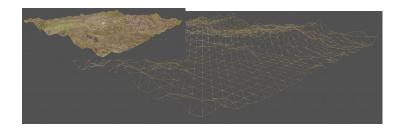


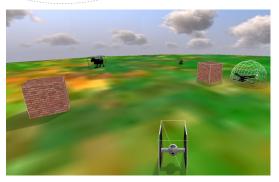


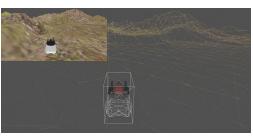


# **JOT Framework**









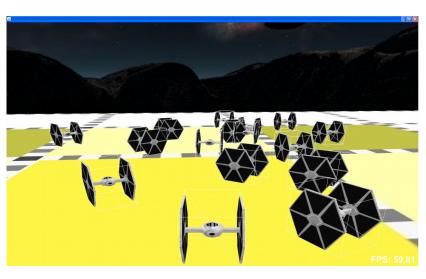






## JOT Usage (so far) ...









#### **Future Work**

Extend the I/O module (OBJ, MD2, Collada skeleton animation).

Extend the Euler and particle fluids to 3D.

Replace JOT toolkits, e.g., JBullet physics engine.

Paralellize JOT, using OpenCL.

Allow games to be rendered directly on the browser.





