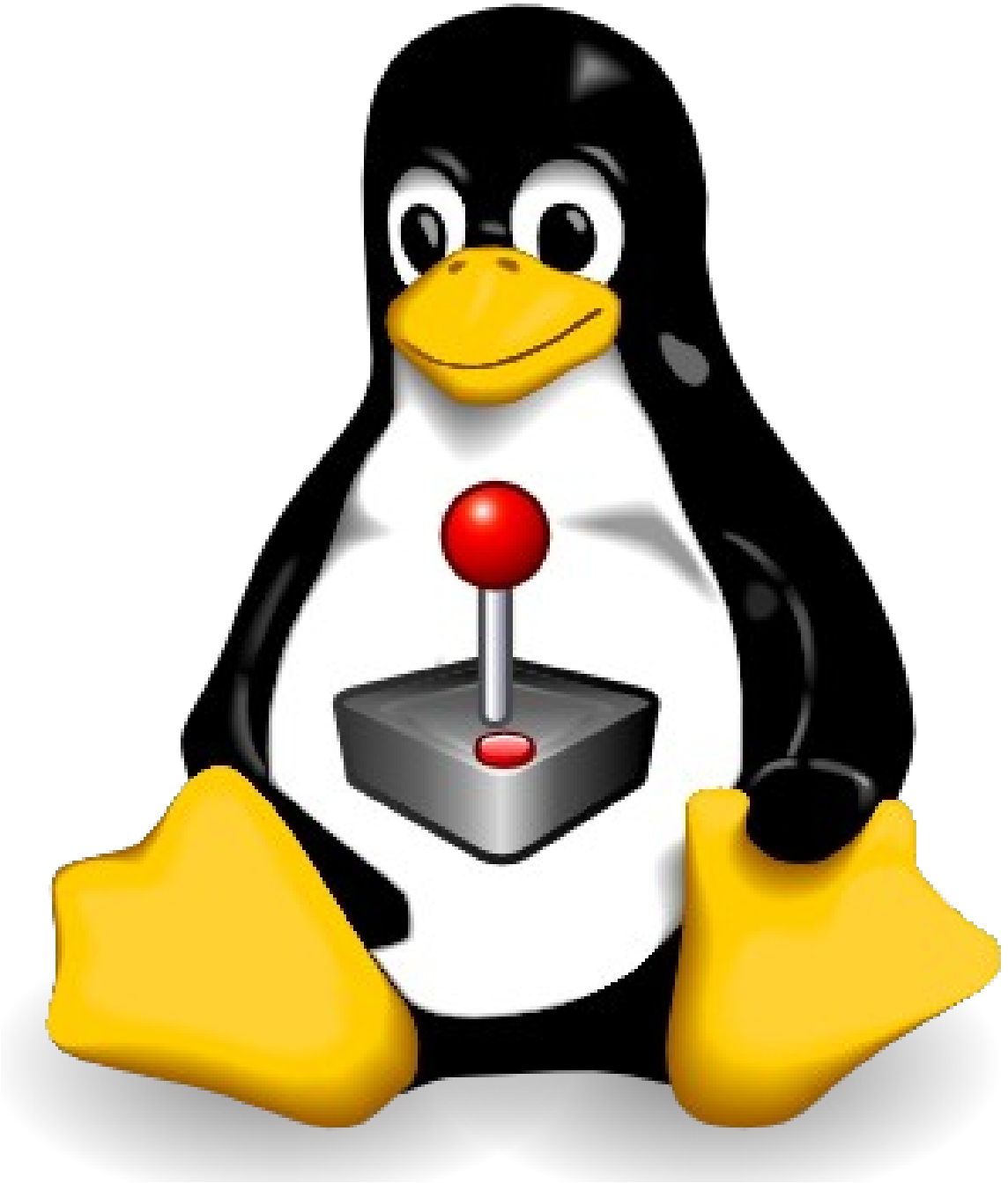
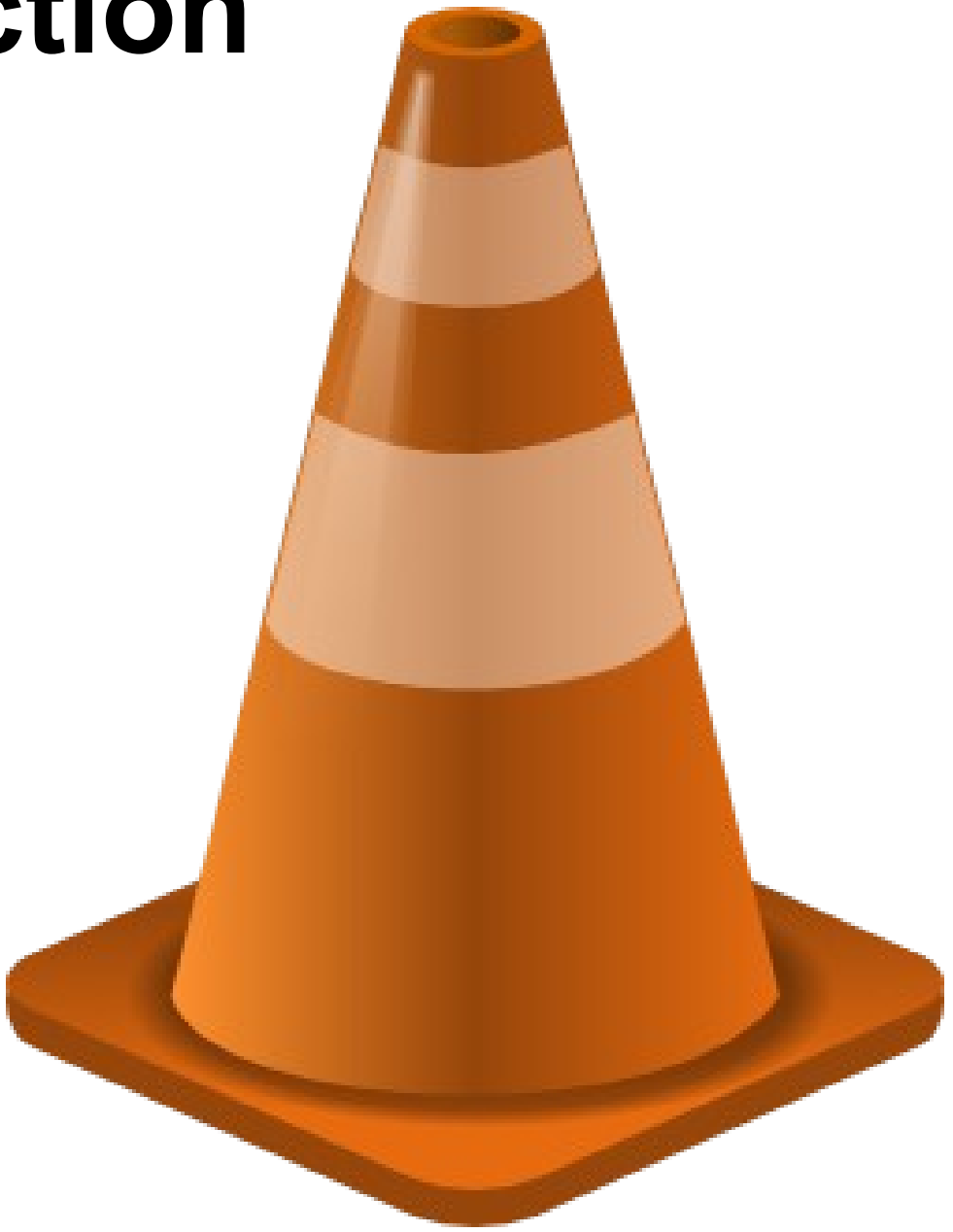


Games,
Games,
Games!!!

Under construction



Me, Myself & I

- Worked on various FOSS Games
  - WorldForge (4 Years)
  - Thousand Parsec (Founded, 6 Years)
- Ran Gaming Miniconf at Linux.conf.au 2007 and 2008
- Given talks at Linux.conf.au, Freeplay

Not the first

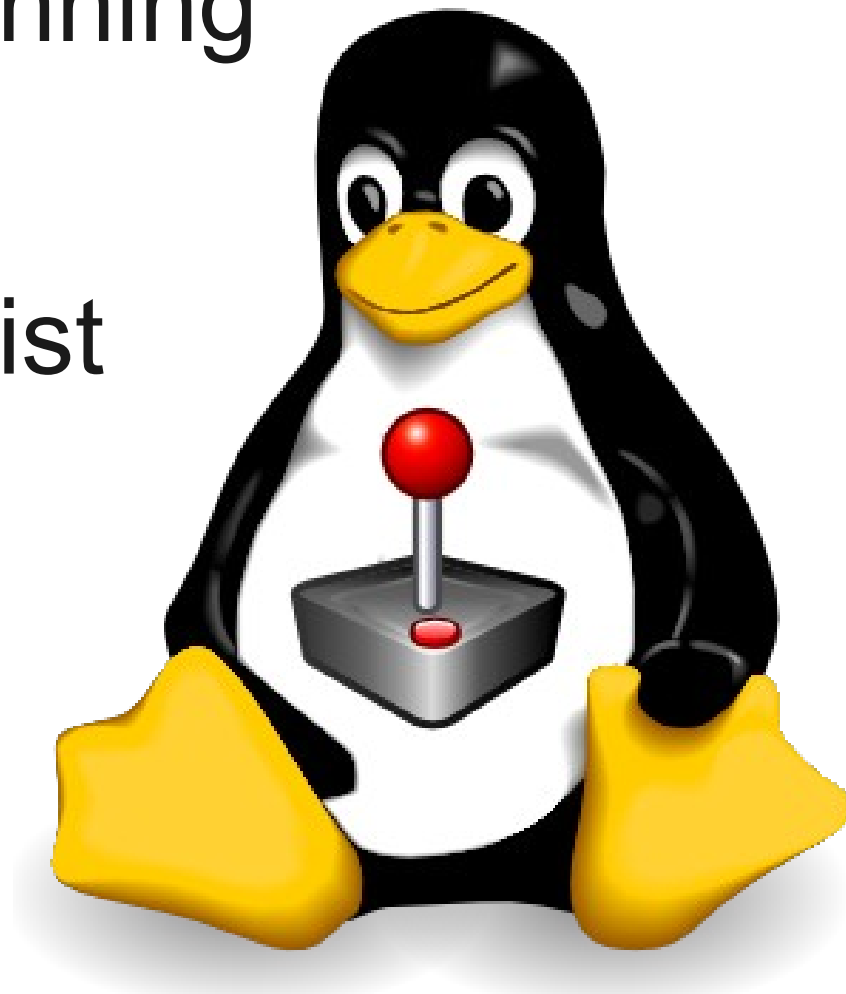
- Computer Games Development 16 March 2004
  - Cam Dunn, Ratbag
- Computer Games Ported to Linux 20 August 1996
  - Matthew Tippett

Why? Oh god Why?

- “FOSS games can not compete”
- Commercial game companies are using FOSS technologies
- Closed nature of gaming console
- Gaming preventing people removing Windows
- FOSS Games are just cool

The Talk

- Why FOSS Games are important
- Why we are already winning
- Games that exist
- Making your games exist
- My game



Final Frontier

- Many people believe FOSS games can not compete
  - Sound familiar?

- “Open Source can not compete with the quality of commercial software”

Little Survey

Boring, I'm not a gamer!

- Xbox, Playstation, Wii

- World Domination
- Performance

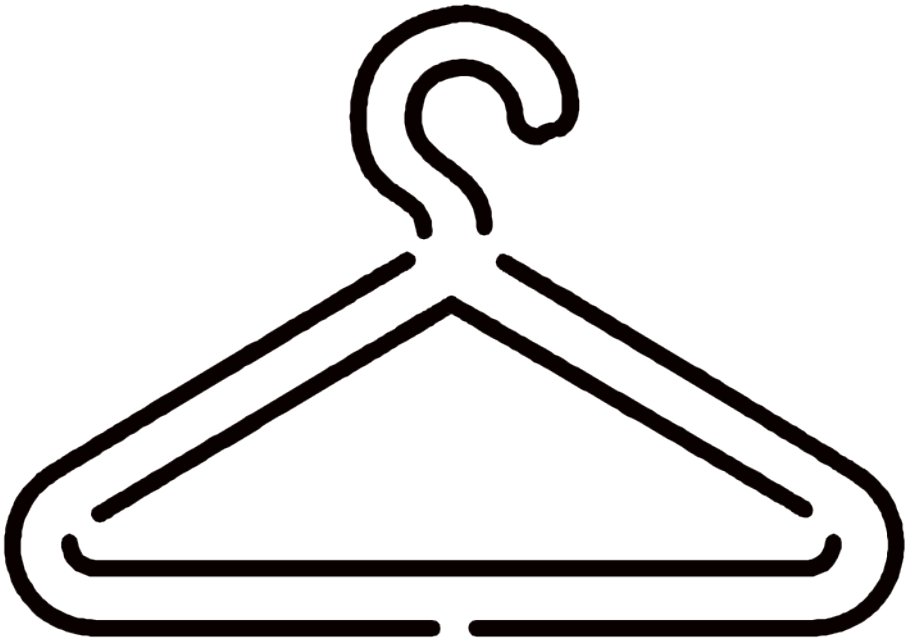
We are already winning!

Open Source Growing At an Exponential Rate

First games where FOSS

- Spacewar!
- Dungeon
- MUD

Commercial Games



AAA titles using FOSS

- Civilisation IV
- Eve Online
- Battlefield 2
- Command & Conquer: Red Alert 3
- Freedom Force

- ID Software

Ni!

Python

Commercial Games using Python

- BigWorld,
- Troika Games – TOEE & Vampire: Bloodlines,
- Totally Games – Star Trek Bridge Commander,
- Irrational Games – Freedom Force,
- Firefly – Civilisation 4,
- CCP Games – Eve Online,
- Digital Illusions – Battlefield 2,
- Many, many, more

Size does matter!

Found in Nintendo DS and Gameboy Games

- Lua
  - Complete language in under 200k
  - MIT License
- SQLite
  - Complete SQL database in under 150k
  - Zero-configuration
  - Public Domain

Stability Matters

- Linux runs the backend of many games

FOSS Games

- Polished Games
- Innovative Games
- Making your own Games
- Thousand Parsec

Polished Games

Click Me

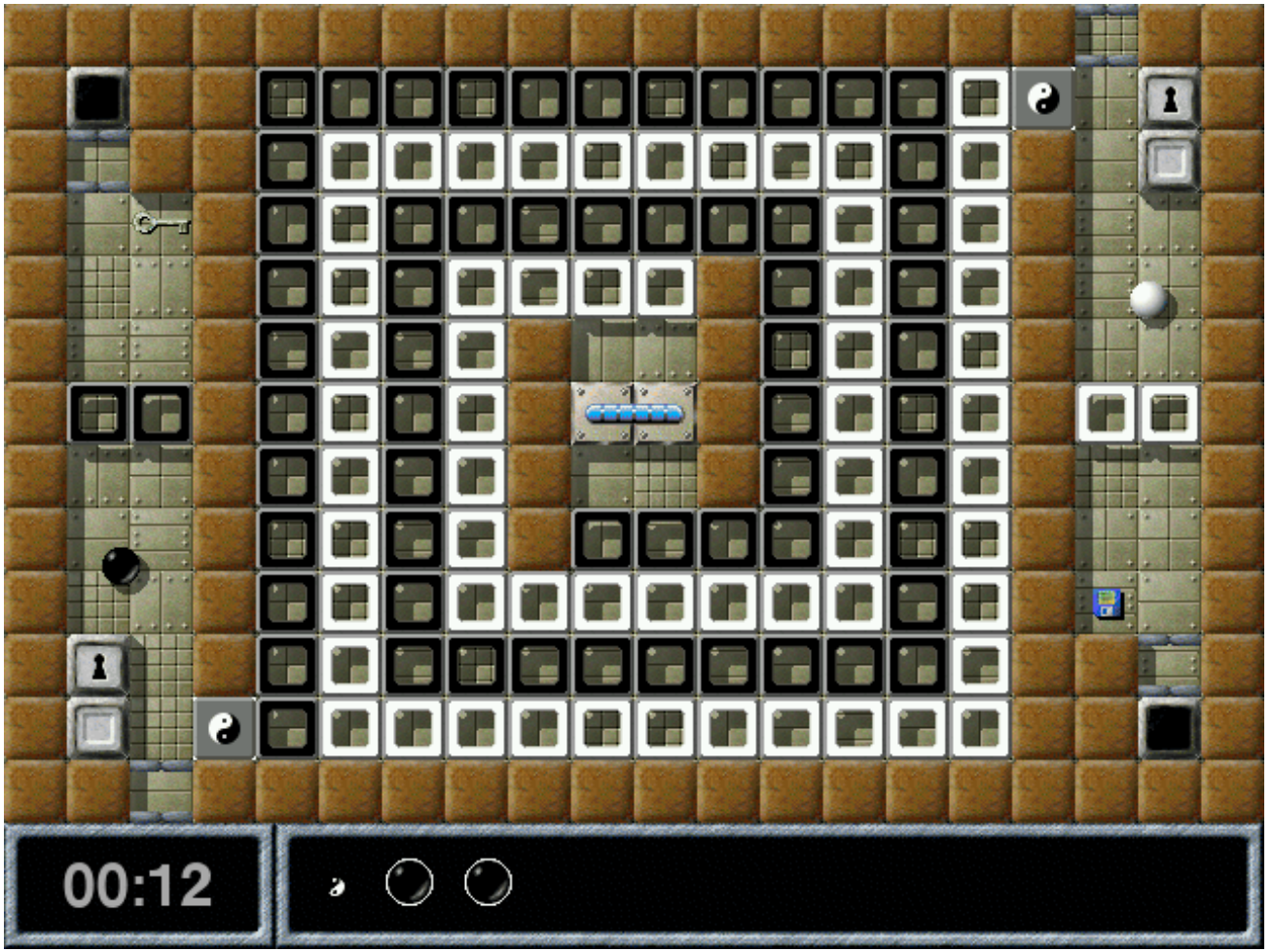
www.wesnoth.org

Fish Fillets NG

http://fillets.sourceforge.net/

Enigma

http://www.nongnu.org/enigma/



Bos Wars

http://www.boswars.org/

Chromium

http://www.reptilelabour.com/software/chromium/

World of Padman

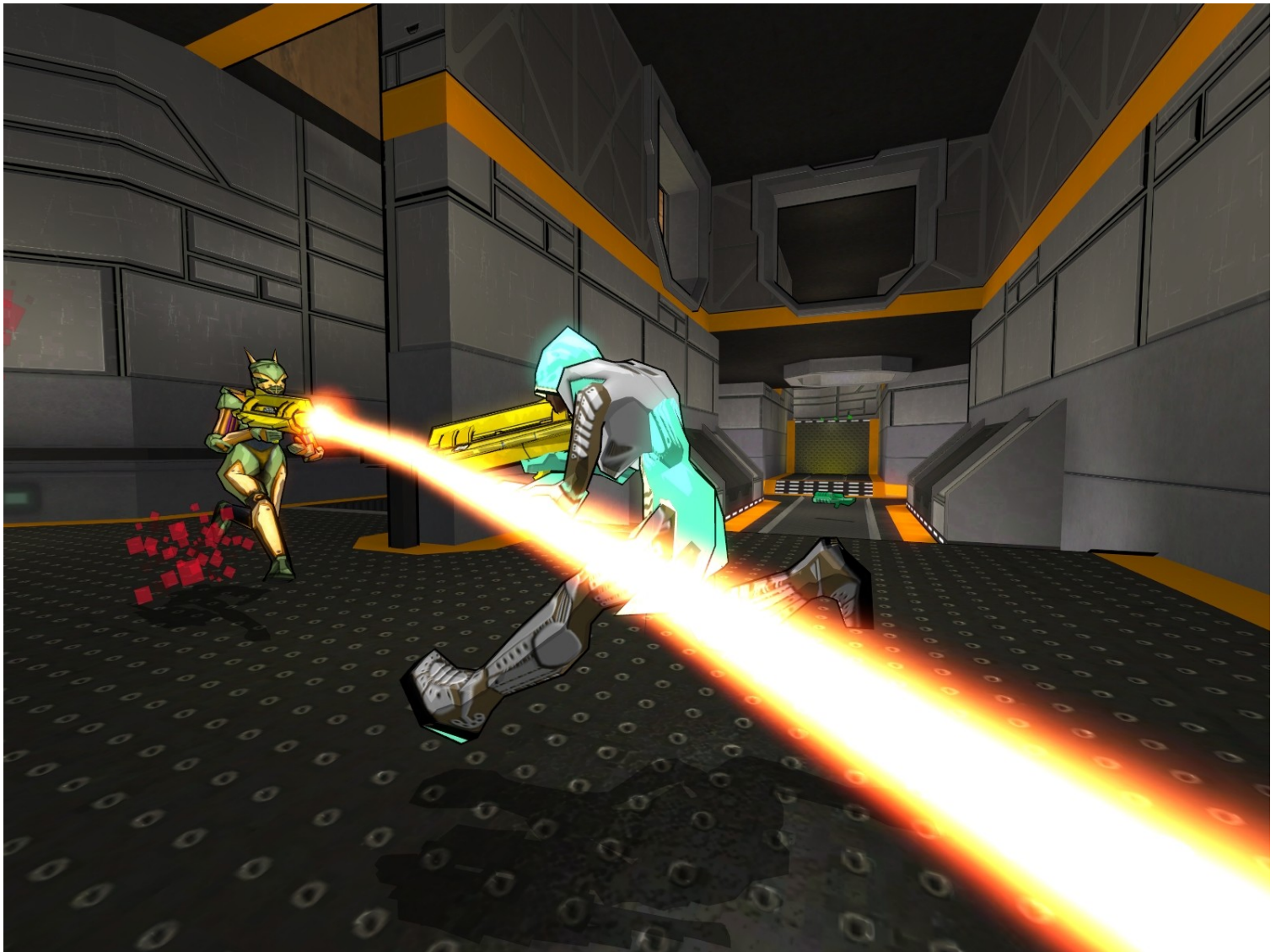
http://www.worldofpadman.com/

Egoboo

http://egoboo.sourceforge.net/

Warsow

http://www.warsow.net/



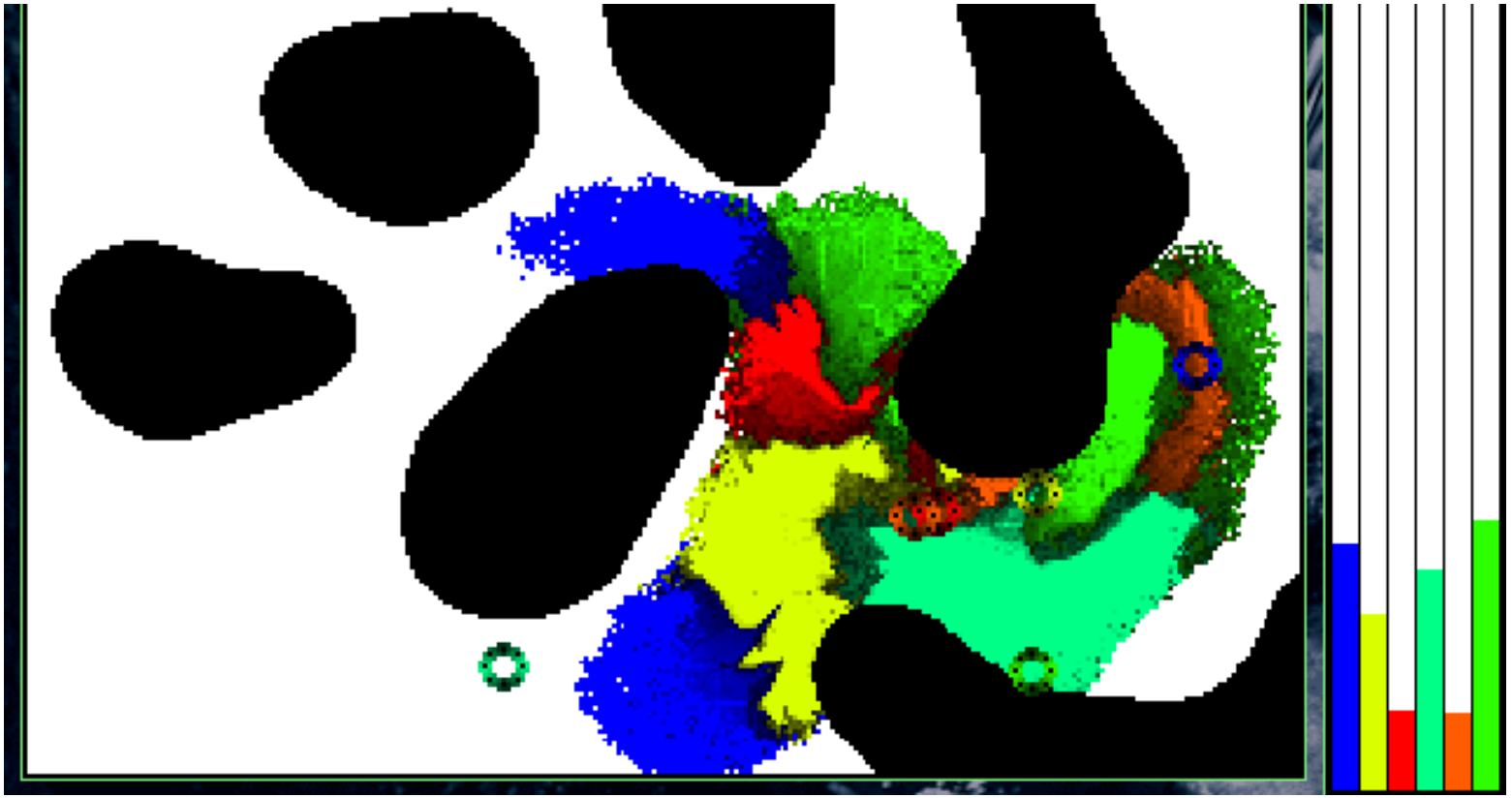
Party Games

- Frets on Fire
  - http://fretsonfire.sourceforge.net/
- Stepmania
  - http://www.stepmania.com/

Innovative Games

Liquid War

http://www.ufoot.org/liquidwar/



Globulation 2

http://globulation2.org/

Nelly's Garden

http://www.partiallydisassembled.net/nelly/

Really Rather Good Battles In Space

http://rrgbis.sourceforge.net/

More, more, more!

- Freshmeat – Games (2918 projects)
  - http://freshmeat.net/browse/80/
- Linux Game Tome
  - http://www.happypenguin.org/
- Wikipedia
  - http://en.wikipedia.org/wiki/Category:Open_source_video_games
- Freegamer Blog
  - http://freegamer.blogspot.com/

Making your own Games

python™

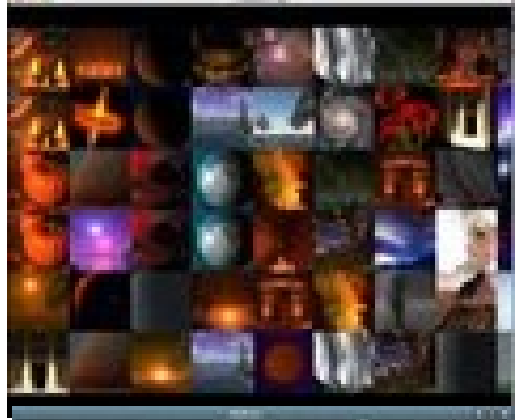
pygame, pyglet,
pyopengl, pyopenal

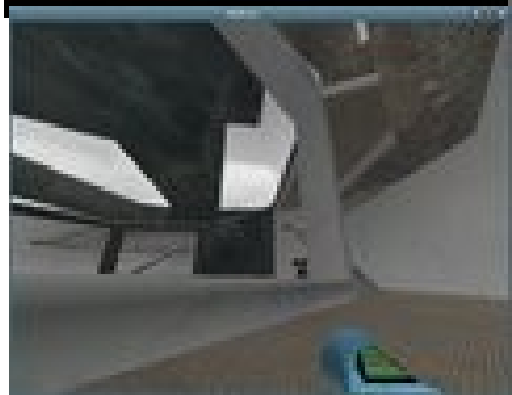
pyode,

panda3d, soya3, pyogre

Click Me

pyglet.org





pygame

Ohhh Perrty

- Ogre 3d
- Crystal Space
- Irrlicht 3D
- Nebula Device

Click!

Click!

Click!

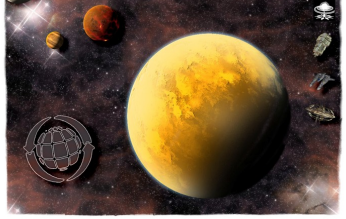
We need
YOU!

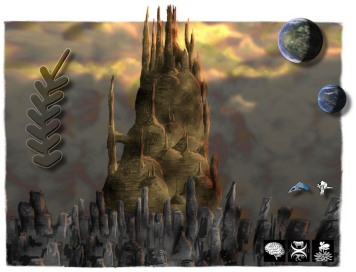
I don't have time!

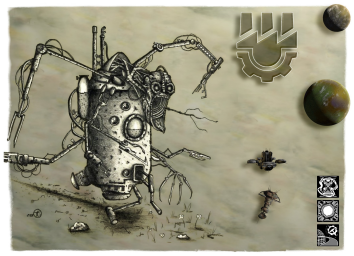
- Pyweek – 7 days
  - www.pyweek.org
- Ludum Dare – 48 hours
  - http://www.imitationpickles.org/ludum/
- PyDay – 24 hours
  - http://groups.google.com/group/pyday

Thousand Parsec

http://www.thousandparsec.net/



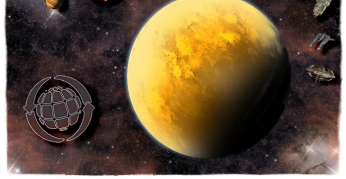


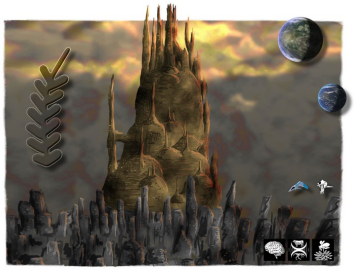


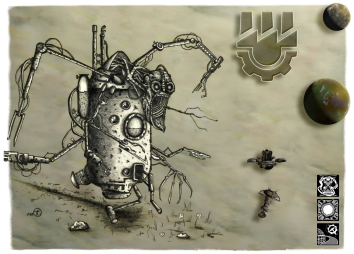
Thousand Parsec

http://www.thousandparsec.net/

- Framework
- Playable Games



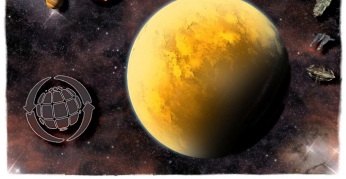


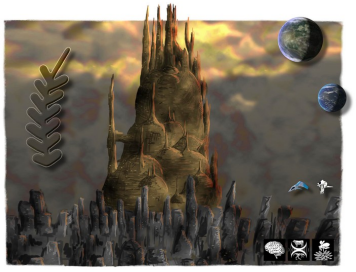


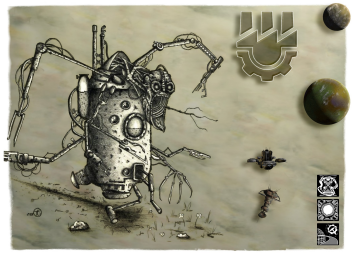
Thousand Parsec

http://www.thousandparsec.net/

- **Any client <-> Any Server**
- Star Wars, Star Trek, Your own ideas!
- Web of 4x games







Thousand Parsec

http://www.thousandparsec.net/

Buy stuff!

- $25 T-shirt (I'm wearing one)

← $20 Calendar

- $2 Magnet