

**BENV2423**LOWE

DESIGN AND REAL TIME INTERACTIVITY – A POROSITY STUDIO

**PONG-CRYSIS-ARC**



**Australian Government**

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**Australian Research Council**

**PONG-CRYSIS-ARC**

"The ARC is a statutory authority within the Australian Government's Innovation, Industry, Science and Research (IISR) portfolio.

Its mission is to *advance Australia's research excellence to be globally competitive and deliver benefits to the community.*

In seeking to achieve its mission, the ARC provides advice to the Government on research matters and manages the National Competitive Grants Program (NCGP), a significant component of Australia's investment in research and development.

(About 400 million dollars each year, could rise to 7-800 million dollars, RL)

Through the NCGP, the ARC supports the highest-quality fundamental and applied research and research training through national competition across all disciplines, with the exception of clinical medicine and dentistry."

[www.arc.gov.au/](http://www.arc.gov.au/)

# THE ARC

## *"Outcomes: Results of research in the real world"*

Sometimes people forget that research is important, but just about everything in our modern world is the result of knowledge gained through research.

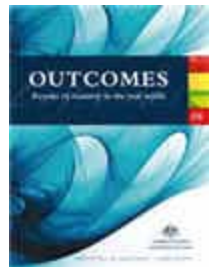
For example, in our every day lives, many of us access the Internet, take medicine, turn on a heater or air conditioner, exercise at the gym, travel by various modes of transport, eat foods grown with the aid of fertilisers or manufactured by machines, wear synthetic or a mixture of natural and synthetic fibres, and use toothpaste to brush our teeth. We do all these things and more without necessarily asking ourselves why or how we are able to do so.

Thinking 'bigger picture', we can travel into space, modify genes, predict the weather, get a heart transplant, explore shipwrecks at the bottom of the ocean, date fossils and artefacts that have been around for thousands of years, create environmentally safe alternatives to pollutants, and use DNA to solve crimes.

And the reason we can do all of these things, of course, is research."

[www.arc.gov.au/](http://www.arc.gov.au/)

# THE ARC



## *"Outcomes: Results of research in the real world"*

Sometimes people forget that research is important, but just about everything in our modern world is the result of knowledge gained through research.

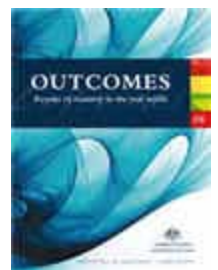
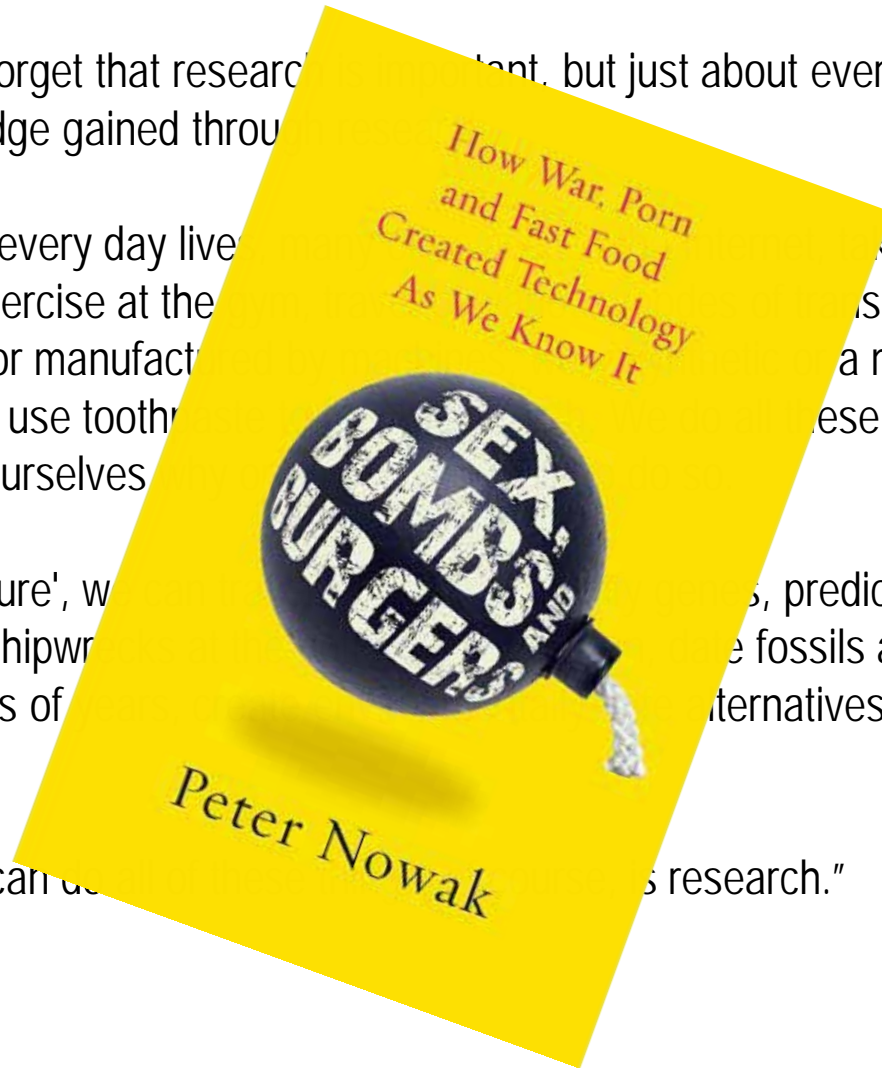
For example, in our every day lives we take medicine, turn on a heater or air conditioner, exercise at the gym, use cars for transport, eat foods grown with the aid of fertilisers or manufactured from a mixture of natural and synthetic fibres, and use toothpaste. We do all these things and more without necessarily asking ourselves how they were developed.

Thinking 'bigger picture', we use research to cure diseases, predict the weather, get a heart transplant, explore shipwrecks, find the fossils and artefacts that have been buried around for thousands of years, find alternatives to pollutants, and use DNA to solve crimes.

And the reason we can do all these things is because of research."

[www.arc.gov.au/](http://www.arc.gov.au/)

# THE ARC



“The ARC *Discovery* programs fund individual researchers and projects.

The ARC *Linkage* programs help to broker partnerships between researchers and industry, government and community organisations as well as the international community. The ARC *Centres* programs build research scale and focus and strengthen major research partnerships and networks.”

[www.arc.gov.au/](http://www.arc.gov.au/)

# DISCOVERY + LINKAGE

APPROVED TITLE: Real-time Porosity: Using computer gaming technology to map and analyse pedestrian movement in public and private space..

COLLABORATING PARTNER: The Department of Lands; specifically, the Emergency Information Collection Unit (EICU)

PROJECT SUMMARY: This project will make a major, and ongoing, contribution to our understanding of urban space in a major Australian city. The Porosity Lenses will enable a more complete understanding of pedestrian movement that the Emergency Information Coordination Unit (EICU) believes will directly contribute to protecting Australia from terrorism and crime. In the case of terrorism the socio/economic benefits of even the smallest success can be immeasurable. The need to anticipate and mitigate the impact of catastrophic events on the city will be balanced, in this study, by a concern to maintain freedom of circulation and promote civic opportunities within previously under-utilised zones.

**+ LINKAGE**



**“Research and Teaching: Beyond the Divide” by Associate Professor Angela Brew**

[www.itl.usyd.edu.au/RLT/issues/terminology.htm](http://www.itl.usyd.edu.au/RLT/issues/terminology.htm)

[www.itl.usyd.edu.au/projects/RLT/issues/introduction.htm](http://www.itl.usyd.edu.au/projects/RLT/issues/introduction.htm)

**SO WHAT LINKS**

**SO WHAT LINKS  
RESEARCH + TEACHING**

**SO WHAT LINKS  
RESEARCH + TEACHING  
COMPUTER GAMES +**

**SO WHAT LINKS  
RESEARCH + TEACHING  
COMPUTER GAMES +  
POROSITY?**

**THE  
TEST**

# A HISTORY OF COMPUTER GAMES

YES THANKS

**5 TOP**



# TOP SELLING

[http://en.wikipedia.org/wiki/List\\_of\\_best-selling\\_video\\_games](http://en.wikipedia.org/wiki/List_of_best-selling_video_games)

**5 PACMAN**

YES THANKS

4



3



2



1



**SIMULATION**

5





5



4



4



3



2



THE NEWEST <sup>3-73</sup> 2 PLAYER  
VIDEO SKILL GAME

# PONG

from ATARI CORPORATION  
SYZYGY ENGINEERED

The Team That Pioneered Video Technology

## FEATURES

- STRIKING Attract Mode
- Ball Serves Automatically
- Realistic Sounds of Ball Bouncing, Striking Paddle
- Simple to Operate Controls
- ALL SOLID STATE TV and Components for Long, Rugged Life
- ONE YEAR COMPUTER WARRANTY
- Proven HIGH PROFITS in Location After Location
- Low Key Cabinet, Suitable for Sophisticated Locations
- 25¢ per play

THIS GAME IS AVAILABLE FROM YOUR LOCAL DISTRIBUTOR

Manufactured by  
ATARI, INC.  
2962 SCOTT BLVD.  
SANTA CLARA, CA.  
95050

Maximum Dimensions:  
WIDTH - 26"  
HEIGHT - 50"  
DEPTH - 24"  
SHIPPING WEIGHT:  
180 Lb.



1

**1 WIREMOD**

YES THANKS V1

**1 WIREMOD**

YES THANKS V2



**HISTORY**

**3 TOTAL WAR**

USED IN "TIME COMMANDERS", BBC TV

YES THANKS



2

<http://creafoudre.free.fr/>

**1 CIVILIZATION** THANKS

**POLITICAL**

"Eddo Stern, a C-level member with Mr. Condon, said the commercial game industry has, like the film industry, focused on escapist entertainment. But now, he said, "what we're trying to do in a sense is create documentary video games."

Julian Oliver, the director of SelectParks, a media lab in Melbourne, Australia, said game-art projects based on virtual re-creations typically deliver their creators' vision of an otherwise inaccessible space. They also can be used to alter people's experience of a public place or a historic moment.

"Normally they're not just straight simulations where you simply play out the events as they were then," Mr. Oliver said. "You can revisit those events and play them differently and explore them from many different camera angles."

With two other artists, he is developing "Escape From Woomera" ([www.escapefromwoomera.org](http://www.escapefromwoomera.org)), a virtual reconstruction of four Australian immigration-detention centers."

# 5 911-SURVIVOR

**Online Games Grab Grim Reality**, By MATTHEW MIRAPPAUL, Published: September 17, 2003

<http://query.nytimes.com/gst/fullpage.html?res=9802E3D9173AF934A2575AC0A9659C8B63>

<http://www.newgrounds.com/collection/waronterror.html> Osama Games

<http://www.selectparks.net/911survivor/911screenshots.html>

[www.escapefromwoomera.org](http://www.escapefromwoomera.org)

4 EFW

# Llega el nuevo Larry... y las chicas se lo siguen poniendo duro

En un campus repleto de exuberantes universitarias, el patético empollón Larry Lovage persigue algo más que un simple diploma. Pretende seguir los pasos de su tío Larry Lafter, el playboy más cutre y famoso de todos los tiempos. Vive la nueva generación de *Leisure Suit Larry™*, una aventura "romántica" con toda la diversión y el descaro que hicieron del original un mito.

SIN CENSURA



- Explora en tiempo real un mundo en 3D lleno de humor muy subido de tono
- Ayuda a Larry a ligar charlando con las chicas o a través de alocaos juegos de habilidad
- Conoce a las tías más explosivas en 25 escenarios, entra en sus dormitorios, en la Hermandad y en los garitos del campus
- Diálogos cachondos con más de 90.000 palabras. ¿Nunca sabrás por dónde te va a salir Larry!

18+



www.who-is-larry.com  
www.vugames-europe.com  
www.high-voltage.com



1 jugador • Necesita cartuchos de memoria RAM para PlayStation 2. 2010 años máximos • Compatible con modo analógico sólo en palacas analógicas • Compatible con la función de vibración

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Sierra Graphics © 1997-2004 Sierra Computer Entertainment Inc. exclusively licensed to Sierra Computer Entertainment Europe. High Voltage and SVL • (Sierra) are registered, unregistered, or otherwise used trademarks, service marks, or other identifiers of Sierra Computer Entertainment, Inc. or its subsidiaries. All other trademarks, service marks, or other identifiers are the property of their respective owners. All rights reserved. No part of this product may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Sierra Computer Entertainment, Inc.



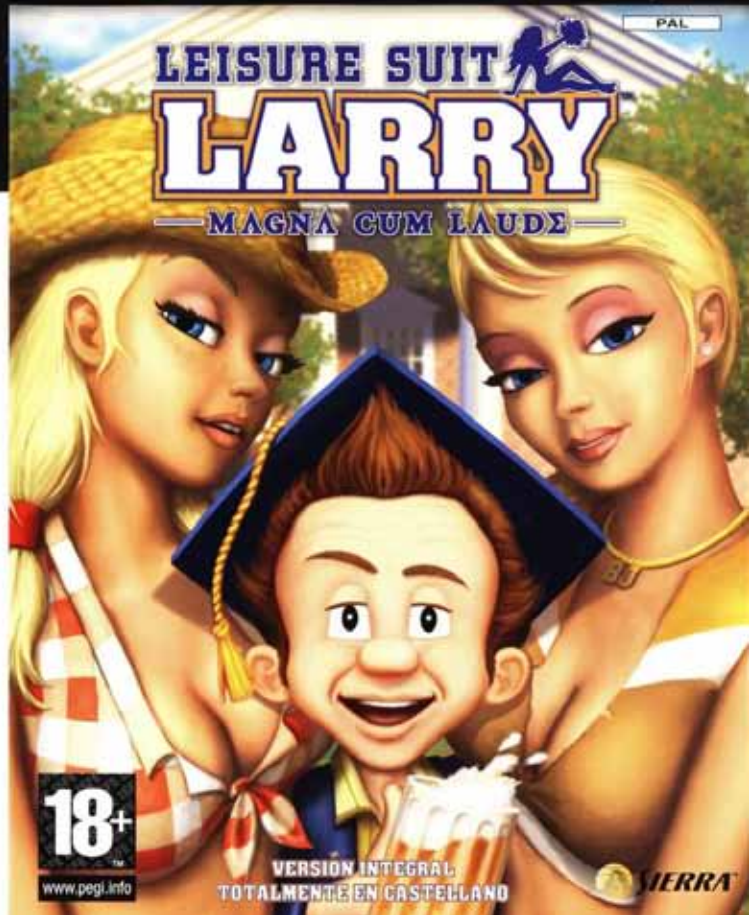
This software is only compatible with the PlayStation®2 computer entertainment system displaying the PAL logo



PlayStation 2

Leisure Suit Larry™ Magna Cum Laude

PlayStation 2



18+  
www.pegi.info

VERSION INTEGRAL  
TOTALMENTE EN CASTELLANO



SLES  
52644

3



2



# GTA IV Multiplayer Strategy Guide

GTAIV shatters records with \$500M in week-one sales

**1 COLUMBINE**

**PARADIGM SHIFT**

PAUSE INIT DONE statement executed  
To resume execution, type go. Other input will terminate the job.  
go  
Execution resumes after PAUSE.  
WELCOME TO ADVENTURE!! WOULD YOU LIKE INSTRUCTIONS?

y  
SOMEWHERE NEARBY IS COLOSSAL CAVE, WHERE OTHERS HAVE FOUND  
FORTUNES IN TREASURE AND GOLD, THOUGH IT IS RUMORED  
THAT SOME WHO ENTER ARE NEVER SEEN AGAIN. MAGIC IS SAID  
TO WORK IN THE CAVE. I WILL BE YOUR EYES AND HANDS. DIRECT  
ME WITH COMMANDS OF 1 OR 2 WORDS.  
(ERRORS, SUGGESTIONS, COMPLAINTS TO CROWTHER)  
(IF STUCK TYPE HELP FOR SOME HINTS)

YOU ARE STANDING AT THE END OF A ROAD BEFORE A SMALL BRICK  
BUILDING . AROUND YOU IS A FOREST. A SMALL  
STREAM FLOWS OUT OF THE BUILDING AND DOWN A GULLY.

-

# 5 COLOSSAL CAVE

## ADVENTURE



# 4 C. WOLFENSTEIN

3



25. *Neverwinter Nights*
24. *Super Mario Sunshine*
23. *Battle Arena Toshinden*
22. *Starfleet Command Series*
21. *Morrowind*
20. *Impossible Creatures*
19. *Battlecruiser 3000AD*
18. *American McGee's Alice*
17. *The Getaway*
16. *Mortal Kombat*
15. *Dungeon Siege*
14. *Dead or Alive 3*
13. *Battletoads*
12. *Unreal II: The Awakening*
11. *Pools of Radiance: Ruins of Myth Drannor*
10. *Halo*
9. *Donkey Kong Country*
8. *Lara Croft: Tomb Raider: Angel of Darkness*
7. *Final Fantasy VII*
6. *Blinx: The Time Sweeper*
5. *Quake II*
4. *Daikatana*
3. *Enter The Matrix*
2. *Metal Gear Solid 2: Sons of Liberty*
1. *Black & White*

**2 LITTLE BIG PLANET**

YES THANKS

YES THANKS



# 1 SPORE

"'Spore' developers were surprised by a user's creation of this skeleton because they didn't think this kind of figure was possible using the creature creator they had made."

<http://news.cnet.com/crave/?keyword=Spore>





finger  
fracture



To perform a special trick while in air you can use a wide variety of finger combinations. Here we make a circular motion with the finger and make a 360 flip.



It is crucial that your landing is balanced; therefore your fingers need to balance your character back before you land.

# 1 iPhone GAMES

**HARDWARE**

5



4



3



2 TED



**1 AR DRONE** THANKS

**WEBSITES**



**5** [WWW.GAMESTUDIES.ORG](http://WWW.GAMESTUDIES.ORG)

**4** [WWW.3DBUZZ.COM](http://WWW.3DBUZZ.COM)

**3** [WWW.METACRITIC.COM](http://WWW.METACRITIC.COM)

**2** [WWW.GAMASUTRA.COM](http://WWW.GAMASUTRA.COM)

**1** [WWW.TED.COM](http://WWW.TED.COM)

1

[WWW.CRYMOD.COM](http://WWW.CRYMOD.COM)

**DEMO**

**QUESTIONS?**